

1941

**MYERS**

No.  
**73**

**COMPLETE**

**CATALOG**

**GEO. V. AYRES & COMPANY**

**THE F. E. MYERS & BRO. Co.**  
**ASHLAND OHIO U. S. A.**



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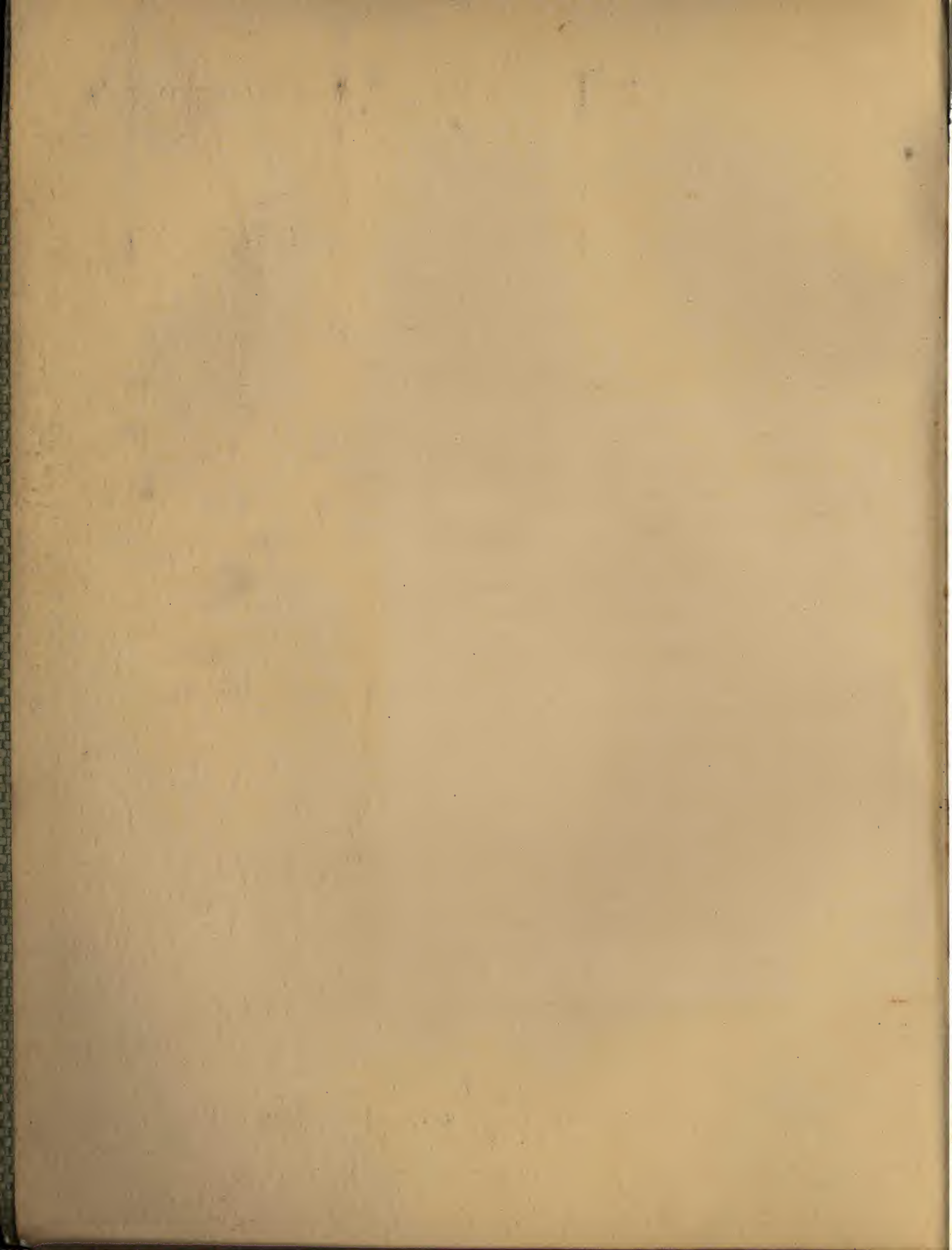
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ESTABLISHED 1870

# THE F. E. MYERS & BRO. CO.

COMPLETE CATALOG

No. 73



PUMPS • WATER SYSTEMS  
SPRAYERS

HAY UNLOADING TOOLS

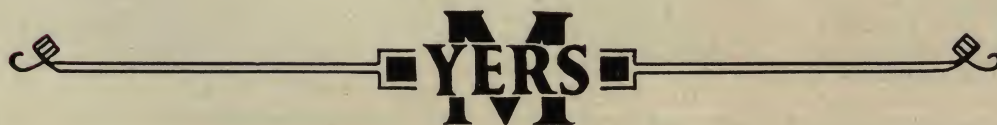
DOOR HANGERS • HAY RACK CLAMPS • STORE LADDERS



ASHLAND • OHIO  
1941

ASHLAND PUMP AND HAY TOOL WORKS

PRINTED IN U. S. A.







# THE MYERS FACTORY

ESTABLISHED 1870

Early in 1870, F. E. Myers, a country boy, opened a small retail implement store in Ashland, Ohio. For several years his was a one man business, but as time went on his business grew and with its growth his brother, P. A. Myers, joined him.

Sensing the need of better pumping equipment for the farm, "P.A." being mechanically inclined developed and patented an entirely new type of pump—a double acting hand force pump which was soon to become the nucleus for the future growth of the company.

When the two brothers began the manufacture of their pump they did the assembling in the basement of their farm implement store. Not a very pretentious beginning but nevertheless a beginning that laid the foundation for the Myers Factory of today, with its many acres of floor space, modernly equipped and efficiently operated for the production and distribution of Myers Pumps for every purpose, Water Systems, Sprayers, Hay Unloading Tools and Door Hangers. In 1898, a wood-work plant or department was added. Its products include cypress sprayer tanks, store ladders, hay pulleys and other similar articles.

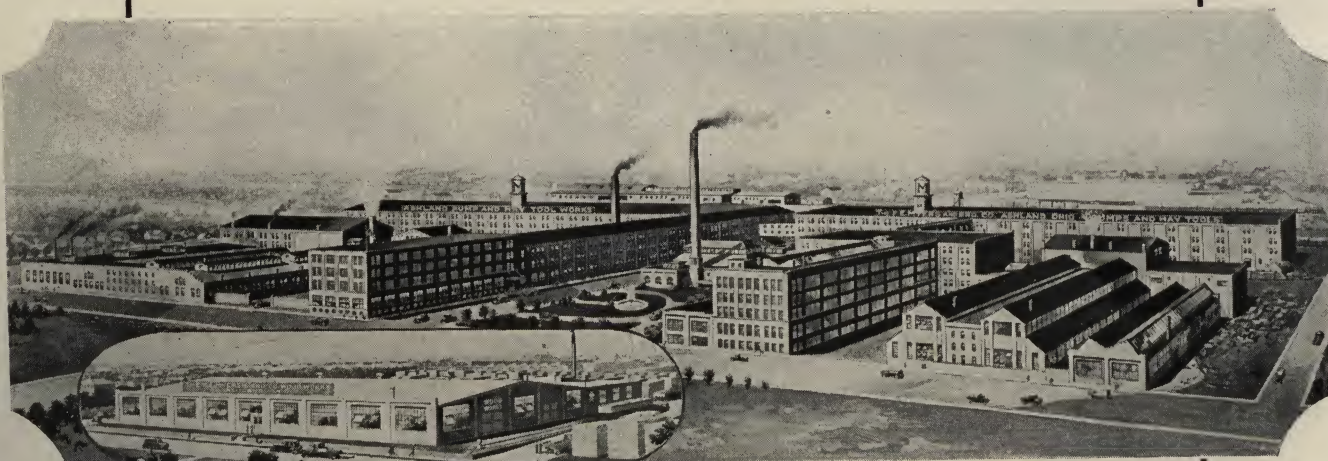
Historically, the first carload of Myers Pumps to be sold was shipped to Kansas City, Missouri. This important event occurred in 1886. The first real milestone in the progress of the brothers had been reached, for this marked the start of quantity production.

New and improved types were developed and added as pump sales increased. First came new and original styles of hand and windmill, well, house and cistern pumps, pump stands and tank pumps. Spray pumps soon followed. Bulldozer power pumps then came along, this line being replaced a few years later, by Self-Oiling power pumps which quickly revolutionized the pumping of water by power and which were the forerunner for the Myers Self-Oiling Water Systems and Myers Self-Oiling Power Spray Pumps introduced a short time later. Prior to, and during this period, other lines were also being added. Hay Unloading Tools in 1884, and in 1901 Myers Stayon Door Hangers were patented and introduced. In more recent years Myers Sump Pumps, Double Acting Cylinders, Condensate Units, Centrifugal Pumps and Ejecto Pumps have made their appearance. Today the Myers Line is complete with pumps for every purpose.

As the years have gone by, addition after addition has been made to the Myers plant until today it is the largest of its kind in the world.

Myers Products are sold everywhere, with an Export Office in New York City, five strategically located branch distributing houses, hundreds of general agencies and thousands of dealers in the United States, Canada and every civilized country in the world.

The F. E. Myers & Bro. Co., is a pioneer Pump manufacturing plant. To its founders and to their successors must be given the credit for much of the progress and advancement in producing new and improved methods of pumping water, spraying, handling hay and other grains and installing barn, garage and other doors.



• The Myers Factory and General Offices •





### To The Trade

The Myers No. 73 Catalog is presented to you with our compliments. It cancels and replaces all previous Editions. The retail sales prices have been revised and harmonized so that, quality considered, Myers Products can be offered in fair competition with all similar merchandise.

Use this catalog for reference purposes and as a sales tool. Reference to it will help avoid omission of sales features when talking to customers. Each item in the Myers Line is completely described and faithfully illustrated. All essential information is clearly enumerated.

The Myers Line now embraces the most complete range of—Hand, Windmill and Power Pumps; Sump Pumps, Centrifugal Pumps and Pumping Jacks; Shallow Well, Deep Well and Ejecto Water Systems; Cylinders, Working Barrels and Accessories; Hand and Power Sprayers; Hay Unloading Tools and Door Hangers—ever offered to the trade by one manufacturer.

It will be our pleasure to again serve our customers throughout the year with Reliable and Dependable Products of highest quality at the most favorable prices possible, affording them an opportunity to sell more goods and increase their profits accordingly.

THE F. E. MYERS & BRO. CO.

## IMPORTANT INFORMATION

**PRICES AND DISCOUNTS**—The List or Retail Prices herein are subject to change without notice. Trade discounts applying to the List Prices will be furnished to recognized dealers buying for resale only.

**ORDERS**—Always order by Catalog Number and supply all information necessary so we may supply your requirements intelligently and without errors. All Orders will be filled from stock or as promptly as possible from current production. Additional charge may be made for special goods and cancellation of orders for special goods cannot be made after work has been started. Special goods cannot be returned for credit. No goods are shipped on sale, consignment, trial or approval.

**SHIPMENTS**—All shipments are carefully checked to insure delivery to the transportation company, complete and in good condition. We accept no responsibility for shortage or breakage in shipment but will assist in placing and, if possible, collecting claims under the provisions of the uniform bill of lading. Delayed shipments will be traced for delivery

when reported.

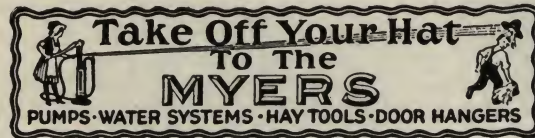
**RETURNED GOODS**—Advance agreement must be made before returning any goods for credit or repair. After such agreement is made goods may be forwarded to us if properly marked with sender's name and address and if a letter referring to shipment and covering all instructions is mailed us at the same time. Special goods cannot be returned for credit. No goods are shipped on sale, consignment, trial or approval.

**CORRESPONDENCE**—Send all orders and correspondence to the firm, not to individuals or salesmen.

**QUICK DELIVERIES**—We are equipped with the most modern packing and shipping facilities and can usually, when requested to do so, ship orders the same day as received.

**REMITTANCES**—Customers who are not rated in the commercial agencies should make all remittances by Express or Post Office Money Order, or by Bank Draft.





For nearly 70 years the mischievous girl and hatless youth have symbolized pumps of outstanding quality and value.

Today, as ever, this Trade Mark is recognized as a sign of quality in every land on the globe. It appears in the form of beautiful transfers on Myers pumps for every purpose, water systems, sprayers, hay tools and door hangers.



Few lines of products have as long a record of production and world wide distribution behind it . . . the unbroken record of uniform quality and dependability in the background to support it . . . the consistent year-in-year-out publicity to sustain it . . . the modern and extensive facilities to manufacture it and the thousands of progressive dealers to distribute it . . . as the Myers. With this background the Myers Line of Products—Pumps for every purpose—Water Systems—Sprayers—Hay and Grain Unloading Tools and Door Hangers—affords every opportunity for year-through business, satisfactory profits and freedom from trouble and complaints.





## REGISTERED TRADE MARKS

The following TRADE MARKS on which we have Governmental Protection are Registered in the U. S. Patent Office at Washington, D. C. and in many foreign countries. A Registered Trade Mark is as valid as a Patent and we will protect our rights by proceeding against infringers according to law.

**MYERS—SELF-OILING—BULLDOZER—LOW DOWN—EJECTO  
GLASS VALVE—SURE GRIP—WENZELMANN—SILVER CLOUD**

*“Take Off Your Hat To The Myers”*

The Trade Names listed below have been used by us for many years and legally belong to The F. E. Myers & Bro. Co.

Aerator	Cyclone	Haymaker	Rolling Motion
Alfalfa	Defiance	Hercules	Regulator
Artesian	Double Lock	Hydraulic	Reversible
Ashland	Drill Well	Hydro-Pneumatic	Right Angle
Automatic	Du-All	Imperial	Sealtite
Branch Pipe	Economy	Kwikfill	Self-Lubricating
California	Excelsior	Lever Bucket	Simplex
Center Trip	Faultless	Little Giant	Single Rail
Century	Flexible	Lock Lever	Standard
Chase	Folding	New Century	Stayon
Clover Leaf	Fountain	New Idea	Submerged
Cog Gear	Geyser	Nickel Plate	Sure Grip
Columbia	Giant	O. K. Unloader	Sure Lock
Combination-	Graduating	Peerless	Take Down
Reversible	Grappling Harpoon	Perfect	Triumph
Compression	Gusher	Pneumatic	Tubular Well
Cushion Tire	Handy	Q. C.	Universal
	Unloader		
	Victor		
	Silver Prince		

## Integrity in the Use of Patents, Registered Trade Marks and Their Infringement

THERE seems to be a disposition on the part of unscrupulous manufacturers and jobbers to disregard our Patents and Trade Marks by assuming that invention and protection are not serious matters, and that they can adopt, manufacture and sell what others have invented, secured and introduced, without liability or discredit to themselves. We respectfully refer all such to our numerous Patents, Registered Trade Marks and the Court Decisions. Whenever necessary we shall not hesitate to take action to protect ourselves and our dealers.

### **Warranty**

All Myers Products are guaranteed to be made of first class material and to do all that we claim for them when properly installed, used and cared for. Any part returned to us, transportation charges paid, within one year from date of shipment will be replaced F. O. B. cars factory, without charge, providing same shows unmistakable defects in material or workmanship. Under no conditions will we allow charges for consequential damages, labor or expense required to repair defective goods.

*The F. E. Myers & Bro. Co.*





## BRANCH DISTRIBUTING HOUSES

ALBANY TERMINAL WAREHOUSE CO.

No. 1 Dean St., Albany, N. Y.

ATLAS STORAGE CO.

708-748 West Virginia St., Milwaukee, Wis.

CEDAR RAPIDS TRANSFER CO., INC.

Cor. A. Ave. &amp; 4th St., Cedar Rapids, Iowa

MONTGOMERY &amp; CO.

21 South 10th St., Harrisburg, Pa.

ST. LOUIS MART, INC.  
1220 Spruce St., St. Louis, Mo.

## GENERAL AGENCIES

**ALABAMA**BIRMINGHAM  
DOTHAN  
HUNTSVILLE  
MOBILE  
MONTGOMERY  
SHEFFIELD  
TROY  
TUSCALOOSA**ARIZONA**PHOENIX  
PRESCOTT  
TUCSON  
YUMA**ARKANSAS**FT. SMITH  
HOT SPRINGS  
LITTLE ROCK  
PINE BLUFF  
STUTTGART  
TEXARKANA**CALIFORNIA**EL CENTRO  
LOS ANGELES  
SACRAMENTO  
SAN DIEGO  
SAN FRANCISCO  
STOCKTON**COLORADO**DENVER  
DURANGO**CONNECTICUT**HARTFORD  
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WILMINGTON

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AUGUSTA  
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ROME  
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ST. JOHNS  
STURGIS  
WARREN  
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MERIDIAN  
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VICKSBURG  
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JOPLIN  
KANSAS CITY  
ST. JOSEPH  
ST. LOUIS  
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BUTTE  
GREAT FALLS  
HELENA  
KALISPELL  
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LINCOLN  
OMAHA**NEW HAMPSHIRE**CONCORD  
MANCHESTER**NEW JERSEY**

ATLANTIC CITY

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NEW BRUNSWICK  
PATERSON  
PENN'S GROVE  
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SANTA FE**NEW YORK**ALBANY  
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BUFFALO  
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JAMESTOWN  
KINGSTON  
MALONE  
MIDDLETOWN  
MINEROLA  
NEW YORK  
OGDENSBURG  
POUGHKEEPSIE  
ROCHESTER  
SCHENECTADY  
SYRACUSE  
TROY  
UTICA  
WATERTOWN  
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MONROE  
RALEIGH  
ROCKY MOUNT  
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CINCINNATI  
CLEVELAND  
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DAYTON  
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NEWARK  
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ST. MARYS  
SPRINGFIELD  
STUEBENVILLE  
TOLEDO  
WARREN  
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YOUNGSTOWN  
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OKLAHOMA CITY  
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EASTON  
EAST  
STROUDSBURG  
ERIE  
HARRISBURG  
HUNTINGDON  
JOHNSTOWN  
KINGSTON  
LANCASTER  
LANSDALE  
LEBANON  
LEWISBURG  
MEYERSDALE  
OIL CITY  
PHILADELPHIA  
PITTSBURGH  
POTTSTOWN  
POTTSVILLE  
PUNXSUTAWNEY  
READING  
SCRANTON  
TITUSVILLE  
UNIONTOWN  
WILKES-BARRE  
WILLIAMSPORT  
YORK**RHODE ISLAND**

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CHARLESTON  
COLUMBIA  
FLORENCE  
GREENVILLE  
SPARTANBURG  
SUMTER**SOUTH DAKOTA**

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JACKSON  
JOHNSON CITY  
KINGSPORT  
KNOXVILLE  
MEMPHIS  
MORRISTOWN  
NASHVILLE**TEXAS**AMARILLO  
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CORPUS CHRISTI  
DALLAS  
EL PASO  
FT. WORTH  
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LUBBOCK  
MARSHALL  
SAN ANTONIO  
SOUR LAKE  
WACO  
WICHITA FALLS**UTAH**OGDEN  
SALT LAKE CITY**VERMONT**BURLINGTON  
RANDOLPH  
RUTLAND  
ST. JOHNSBURY**VIRGINIA**BRISTOL  
CHARLOTTESVILLE  
DANVILLE  
GRUNDY  
HARRISONBURG  
LYNCHBURG  
NORFOLK  
PULASKI  
RICHMOND  
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EAU CLAIRE  
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LA CROSSE  
MADISON  
MILWAUKEE**WYOMING**

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EDMONTON  
VANCOUVER, B. C.  
VICTORIA  
WINNIPEG, MANI-  
TOBA  
FREDERICKTON,  
N. B.  
MONCTON  
ST. JOHN  
HALIFAX, N. S.  
CHARLOTTETOWN,  
P. E. I.  
SUMMERSIDE  
OTTAWA  
TORONTO  
SASKATOON, SASK.  
REGINA  
MONTREAL, QUE-  
BEC  
QUEBEC





## SALESMEN

- G. D. Myers, Ashland, Ohio  
*Wholesale Trade*
- R. J. Alspach, Morristown, N. J.  
*Eastern Wholesale Trade*
- D. R. Bruder, Springfield, Mass.  
*New England Wholesale Trade*
- A. R. Downer, Tifton, Ga.  
*Georgia, Florida*
- H. L. Frensdorf, Cleveland Heights, Ohio  
*Central Western Wholesale Trade*
- G. J. Light, E. St. Louis, Ill.  
*Alabama, Mississippi, Louisiana*
- C. M. Parquette, Canton, Ohio  
*Ohio, Pennsylvania, New York Wholesale Trade*
- C. B. Sattler, Washington, D. C.  
*Maryland, Virginia, North and South Carolina Wholesale Trade*
- J. F. Simmons, Evansville, Ind.  
*South Central Wholesale Trade*
- T. C. Smith, Delaware, Ohio  
*East Central Wholesale Trade*
- W. B. Struble, Dallas, Texas  
*Southwestern Wholesale Trade*
- John R. Wright, Syracuse, N. Y.  
*Central New York and Canada*
- R. Ahlgren, St. Paul, Minnesota  
*Western Wisconsin*
- D. D. Armstrong, Indianapolis, Ind.  
*Central Indiana*
- J. O. Baily, Dallas, Texas  
*Southwestern Trade*
- M. D. Barrows, Manchester, N. H.  
*Maine, New Hampshire, Vermont*
- C. P. Boals, Harrisburg, Pa.  
*Eastern Pennsylvania*
- W. A. Boatman, Dallas, Texas  
*Southwestern Trade*
- H. C. Bookwalter, Benton Harbor, Mich.  
*Western Michigan*
- P. H. Cross, Ashland, Ohio  
*Northwestern Ohio*
- C. R. Dakin, Mt. Pleasant, Mich.  
*Northern Michigan*
- C. R. Durstine, Lock Haven, Pa.  
*Central Pennsylvania*
- H. H. Emminger, Sandusky, Ohio  
*Northern Indiana, Northwestern Ohio*
- J. O. Feightner, Dallas, Texas  
*Southwestern Sprayer Trade*
- E. A. Fierbaugh, Ashland, Ohio  
*Southern Ohio*
- A. J. Glynn  
*Southern Illinois*
- C. W. Graham, Delavan, Wis.  
*Southern Wisconsin*
- J. S. Heckman, Erie, Pa.  
*Western New York, Northwestern Pa.*
- J. W. Heinrich, Binghamton, N. Y.  
*Southern New York, Northeastern Pa.*
- F. E. Hoot, Springfield, Ill.  
*South Central Illinois*
- J. E. Hudson, Big Prairie, Ohio  
*Southeastern Ohio*
- C. E. Hurd, Davison, Mich.  
*Southeastern Michigan*
- J. G. Hurd, Scottsdale, Pa.  
*Southwestern Pennsylvania, West Virginia*
- F. H. Kestner, Aurora, Ill.  
*Northern Illinois*
- E. C. Long, Newark, N. J.  
*Northern N. J., Southeastern N. Y.*
- H. M. Loomis, Claverack, New York  
*Northern New York*
- H. M. Lowry, Washington, D. C.  
*Virginia*
- A. I. McDermott, Oshkosh, Wisconsin  
*Northern Wisconsin*
- R. S. Marks, Hazardville, Conn.  
*Massachusetts, Connecticut, Rhode Island*
- W. E. Miner, Oskaloosa, Iowa  
*Northeastern Iowa*
- D. G. Morr, Ashland, Ohio  
*Northeastern Ohio, Western Pennsylvania*
- R. D. Morr, Owensboro, Ky.  
*Southern Indiana, Western Kentucky*
- W. A. Newmier, Jackson, Michigan  
*Central Michigan*
- F. W. Seeber, Palmyra, N. J.  
*New Jersey, Delaware, Eastern Pennsylvania*
- J. C. Sidle, Logansport, Ind.  
*Northwestern Indiana*
- D. W. Seigmann, Ashland, Ohio  
*Tennessee*
- K. W. Smith, Fredericktown, Ohio  
*Western N. C., Northwestern S. C.*
- C. G. Stuckey, Columbus, Ohio  
*Southwestern Ohio*
- G. A. Swartz, Peoria, Illinois  
*Central Illinois*
- J. E. Thomasson  
*Eastern N. Car. and S. Car.*
- C. P. Triphaus, St. Louis, Mo.  
*Eastern Missouri*
- H. T. White, Seven Mile, Ohio  
*Southwestern Ohio, Eastern Tenn., Kentucky*
- Chester Davis, Ashland, Ohio  
*Special Canvasser*
- P. D. Greeley, Ashland, Ohio  
*Special Canvasser*
- R. D. Hard, Wooster, Ohio  
*Special Canvasser*
- Wm. E. McKinley, Ashland, Ohio  
*Special Canvasser*
- Wm. D. Miller, Ashland, Ohio  
*Special Canvasser*
- M. K. Williamson, Ashland, Ohio  
*Special Canvasser*
- G. F. Wirth, Smithville, Ohio  
*Special Canvasser*
- A. L. Angert, Oberlin, Ohio  
*Special Canvasser*
- C. B. Austin, Edinboro, Pa.  
*Special Canvasser*
- A. E. Beible, Jr., Harrisburg, Pa.  
*Special Canvasser*
- F. W. Eley, Gambier, Ohio  
*Special Canvasser*
- N. W. Fluke, Ashland, Ohio  
*Special Canvasser*
- H. J. Reiff, Euclid, Ohio  
*Special Canvasser*
- S. W. Stewart, Smithville, Ohio  
*Special Canvasser*
- Robert L. Perry  
*Europe*
- Richardson, Orr & Co., Ltd.  
*Australia*
- Geo. F. Sims, Pty. Ltd.  
*Johannesburg, South Africa*

**NOTE: ALL MAIL ORDERS ARE TO BE MAILED TO THE HOME OFFICE at Ashland, Ohio or nearest Branch Distributing House.**

**EXPORT: THE F. E. MYERS & BRO. CO., EXPORT SHIPPING OFFICE, 21 WEST ST., NEW YORK, N. Y.**

## FOREIGN AGENCIES

**NORTH AMERICA**  
St. John's, Newfoundland  
Hamilton, Bermuda  
Nassau, Bahamas  
Ciudad Trujillo, Rep. Dom.  
Havana, Cuba  
Pointe-A-Pitre, Guadeloupe  
Port of Spain, Trinidad  
Willemstad, Curacao  
Mexico, D. F., Mexico  
Monterrey, N. L., Mexico  
Navojia, Sonora, Mexico  
San Salvador, El Salvador

Tegucigalpa, Honduras  
San Jose, Costa Rica  
Panama, Panama

**SOUTH AMERICA**  
Caracas, Venezuela  
Medellin, Colombia  
Quito, Ecuador  
Lima, Peru  
Bahia, Brazil  
Fortaleza, Brazil  
Montevideo, Uruguay  
Buenos Aires, Argentina

Santiago, Chile

**EUROPE**  
London, England  
Dublin, Eire  
Lisbon, Portugal  
Utrecht, Netherlands  
Oslo, Norway  
Stockholm, Sweden  
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**AFRICA**  
Casablanca, Morocco  
Tunis, Tunisia

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Bombay, India  
Calcutta, India  
Madras, India

Colombo, Ceylon  
Teheran, Iran  
Rangoon, Burma  
Singapore, S. S.  
Bangkok, Thailand  
Saigon, Indo-China  
Hongkong, China  
Shanghai, China  
Manila, P. I.  
Sydney, Australia  
Auckland, New Zealand  
Hastings, New Zealand  
Honolulu, T. H.





## SELL WITH CONFIDENCE

**R**ELIABILITY, Durability, Dependability and Long Trouble-Free Service—these are things consumers everywhere have learned to expect of Myers Products.

All goods produced in our factory today are, just as they were over a half century ago, expertly designed, skillfully engineered, accurately machined and assembled and carefully tested to assure the user the best product that fine materials, precision standards and modern methods can produce.

### VISIT THE MYERS FACTORY

Details of factory procedure and operations can only be gained by a personal inspection of our plants. When it is known that all raw materials must meet predetermined standards; that each daily melt of iron and brass from our foundries is chemically analyzed and held to rigid limits for best quality of castings; that every important machine operation is held to close tolerances with tools and gauges; that every power operated unit produced is tested under conditions similar to actual operation in the field; that pride of craftsmanship is carried through all departments, including superior finishing and careful packing for shipment; that the workmen throughout our factories and offices feel that they are an important part of our organization, then you can fully realize why Myers Products are the best made for the service intended.

These are some of the reasons aggressive dealers everywhere devote most of their time and effort to selling Myers Products. Dealers who confine their efforts to Myers Products can command a larger share of the business in their respective communities with a smaller investment in merchandise, fewer service calls and with better profit regardless of the prices at which some competitive merchandise is frequently offered.

### READ MYERS ADVERTISING

The story of Myers Quality and Responsibility is

being continuously told in millions of the best homes of America. Interest compelling, prospect creating, sales building advertisements reach millions of readers annually in selected magazines, national and sectional class, farm and trade journals. That's our program to support Myers Dealers in their selling efforts. A program intensively developed to build good will, and consistently executed to give every Myers Dealer the extra advantage of low sales resistance in the securing of Pump, Water System, Sprayer, Hay Tool and Door Hanger business.

### KNOW MYERS EXCLUSIVE FEATURES

It will pay you to consider and cash in on the many Patented and Exclusive features of Myers Products. The Myers Glass Valve Seat and the Myers Rolling Motion Cog Gear as applied to Myers Hand Pumps, the Myers Self-Oiling and Self-Cleaning Bearings as applied to Myers Power Pumps, Water Systems and Power Spray Pumps. And many other outstanding features as embodied in the Myers Double-Acting Working Barrel, Myers Ejecto Pumps, Myers High Pressure Power Spray Pumps and Sprayers and Myers Double Steel Track. Many of these features are not found in any competitive equipment. Recommend and sell Myers Products as the best on the market when properly installed and used for the purpose intended.

### STUDY MYERS CATALOG

Study the many individual features and sales points covered in detail on the following pages of this catalog.

As dealers or salesmen, do not "take it for granted" that the prospective purchaser knows why he should "Buy Myers," or assume that he will "Buy Myers" on the strength of Myers reputation for building quality products. First be fully conversant with the advantages of Myers Products and then give the facts concerning these advantages to the prospect. Sales will invariably result.

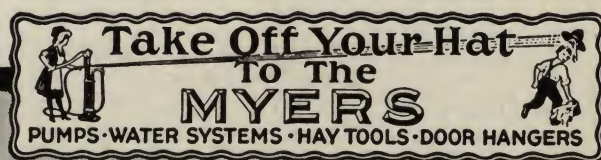


# MYERS

## MYERS HAND PUMPS FOR HAND AND WINDMILL POWER

WELL, HOUSE AND CISTERN  
PUMPS, PUMP STANDS,  
TANK, SHIP AND SYPHON PUMPS

SEE REPAIR CATALOG FOR REPAIRS







# THE MYERS PATENTED COG GEAR

*One of the many patented features responsible for the extra long life and superior performance of Myers Hand Pumps.*



## IMPORTANT FACTS ABOUT MYERS ROLLING MOTION COG GEAR DESIGN

The Myers Cog Gear Rolling Motion Design is patented. This famous easy operating Pump Head has two parts which are segments of a circle gear—they roll apart (no friction) instead of sliding (all friction) as is true of many cog gear movements having a straight line cog on the piston rod.

The Cog Gear Movement must be applied correctly to the piston rod if satisfactory results are to be achieved. Thru the correct

application of this feature the leverage of Myers Pumps is increased as much as 33⅓%, adapting Myers Cog Gear Pumps for pumping from very deep wells, for use with larger cylinders, and for operation by women and children.

All styles of Myers Well, House and Cistern Pumps, Pump Stands and Hand Spray Pumps are fitted with this labor saving improvement.

### Myers Design alone provides all these additional advantages on Set Length Pumps and Stands

**THE MAIN STAND**—Adjustable Base Models use 1½" pipe, which not only increases the strength but adds beauty to its appearance, and also slows up the movement of the water which prevents it splashing out of the top on lift pumps when the handle is worked rapidly, which occurs where smaller pipe is used.

**GLASS VALVE SEAT**—The cylinder, and particularly the lower valve, is the vital part of any hand pump. Ninety per cent of Myers hand pumps are equipped with Myers Patented Glass Valve Seat with rubber faced valve. Glass Seat (exclusive with Myers) does not rust or corrode or accumulate vitreous substances common to all other valves. Frees itself readily from sand.

**THE PISTON ROD** is hard steel.

**EXTRA LARGE AIR CHAMBER ON FORCE PUMPS**—Cushions the stream providing steady and continuous flow of water without splashing.

**REVERSIBLE SYPHON SPOUT** on Lift and Single Acting Force Pumps is separate from the pump head and held in position

by a two-bolt malleable clamp which permits locating the Spout to the right or left or straight away from the handle as desired. The head forms a reservoir and the spout acts as a syphon drawing the water from reservoir head in full stream which cuts off instantly. Eliminates dripping, preventing formation of ice or wet platform.

**ADJUSTABLE BASE**—Used on many models is made in two parts and held by two through bolts which clamp it securely to the set-length pipe. Easy and inexpensive to replace.

**EXPANSION PLUNGER**—Where used is adjustable to compensate for wear. Take up adjustment can be made with an ordinary wrench and without removing the pump from the well.

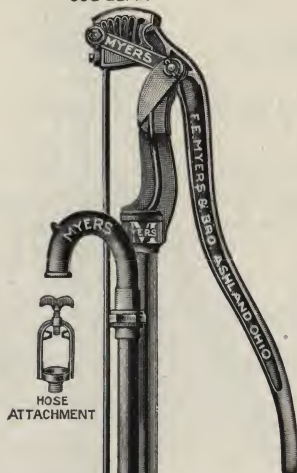
**ONE-HALF INCH HARD STEEL PINS**—Handle and Fulcrum attached to pump head by oversize hard steel pins instead of bolts eliminating risk of casting breakage from drawing a nut too tightly.





# MYERS COG GEAR BRANCH PIPE DOUBLE ACTING FORCE PUMP

Fig. 1747

PATENTED  
COG GEARHOSE  
ATTACHMENT

F. E. MYERS &amp; BRO. ASHLAND, OHIO, U.S.A.

BRASS  
LINED  
GLASS  
SEAT

PATENTED

*Malleable Iron Shield Over  
Cog Gears*

*Anti-Freezing*

*Made With Galvanized Pipe  
Only*

All Double Acting Force Pumps are  
fitted with Myers Plunger with  
Brass Follower, Seat and Valve.

With Patented Adjustable Base and  
Union Spout

This pump is especially adapted for  
driven wells, on account of the bolt  
cap from which the cylinder can be  
removed without disturbing the  
drive pipe.

FIG. 1747 represents our shallow well  
pump which is made on the same  
plan as all of our branch pipe pumps.  
It is fitted with our patented adjustable  
base, made in two parts, clamping the  
main pipe by means of three bolts. Has  
patented Rolling Motion Cog Gear  
Head. Especially recommended for use  
with hose.

4 FOOT SET LENGTH

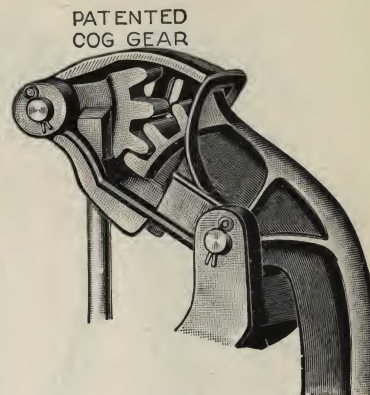
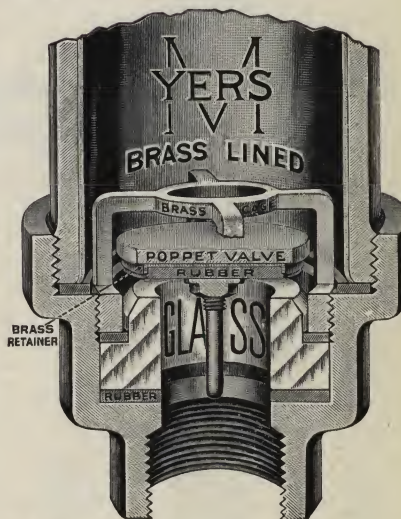
PRICE LIST, Represented by Fig. 1747

BRASS LINED CYLINDER WITH PATENTED GLASS VALVE SEAT

Pump No.	Cylinder Size, Inches	Pipe, Inches	Capacity Per Hour, Gallons	Depth Well, Feet	Weight Lbs.	Code	Price
R1	3	1¼	440	30	75	CABBA	\$ 18.50
R8	3½	1½	600	30	78	CABHO	20.00

For three-way cock, as represented by Fig. 1833, add to Price ..... ZERO 4.00  
For windmill head (6 inch Stroke) and three-way cock, Fig. 2127, add to Price ..... ZION 6.00

REPAIRS: See Pages 46 to 49, No. R40 Repair Catalog

PATENTED  
COG GEAR





# MYERS COG GEAR BRANCH PIPE DOUBLE ACTING FORCE PUMP

Fig. 1766

PATENTED  
COG GEAR

PATENTED

For Deep Wells

*Malleable Iron Shield Over Cog Gears*

Has 6 Inch Stroke for Hand Use and 8 Inch Stroke for Windmill. Is made with Galvanized Pipe Only, and Is Furnished with Either Brass or Brass Lined Lower Cylinder fitted with Myers Patented Glass Valve Seat.

Anti-Freezing

FIG. 1766 represents the Myers Cog Gear Branch Pipe Pump, especially adapted for deep wells. The upper cylinder is seamless drawn brass, fitted with our expansion plunger bucket.

1½" Air Chamber 6 feet long—127 Cubic Inches. 1" Discharge Pipe.

The special advantage of the Cog Gear Handle is that it increases the leverage 33⅓% adapting the pump to deep wells or in forcing the water to an elevation.

The construction of the Myers Branch Pipe Pump is very simple. It has a larger air chamber, thereby securing a steady stream of water through the discharge pipe. It is very powerful. The hose coupling can easily be attached to the spout, and water forced to any part of a building or grounds. It is invaluable for fire protection, washing cars, sprinkling lawns, watering flowers and gardens, greenhouse use, and for like purposes. The entire pump is constructed of iron and brass, and is so firmly assembled that it is impossible to injure it in any way by subjecting it to the most severe tests while forcing water under heavy pressure.

With Patented Glass Valve Seat and Expansion Plunger

Fitted to Use Either ⅜" or 7/16" Pump Rod.

## PRICE LIST, Represented by Fig. 1766

### BRASS LINED LOWER CYLINDER

Pump No.	Cylinder Size, Inches	Pipe, Inches	Capacity Per Hour, Gallons	Least Diam. Well, Inches	Depth Well, up to Feet	Wt. Lbs.	Code	Price
R4	2½	1¼	306	5⅝	150	75	CABIM	\$20.00
R5	3	1¼	440	5⅝	70	79	CABME	20.00
R6	3½	1½	600	6½	50	83	CABOZ	23.00

### BRASS BODY LOWER CYLINDER

Pump No.	Cylinder Size, Inches	Pipe, Inches	Capacity Per Hour, Gallons	Least Diam. Well, Inches	Depth Well, up to Feet	Wt. Lbs.	Code	Price
R4½	2½	1¼	306	5⅝	150	68	CACAB	\$20.50
R5½	3	1¼	440	5⅝	70	76	CACIL	20.50
R6½	3½	1½	600	6½	50	80	CACTO	24.00

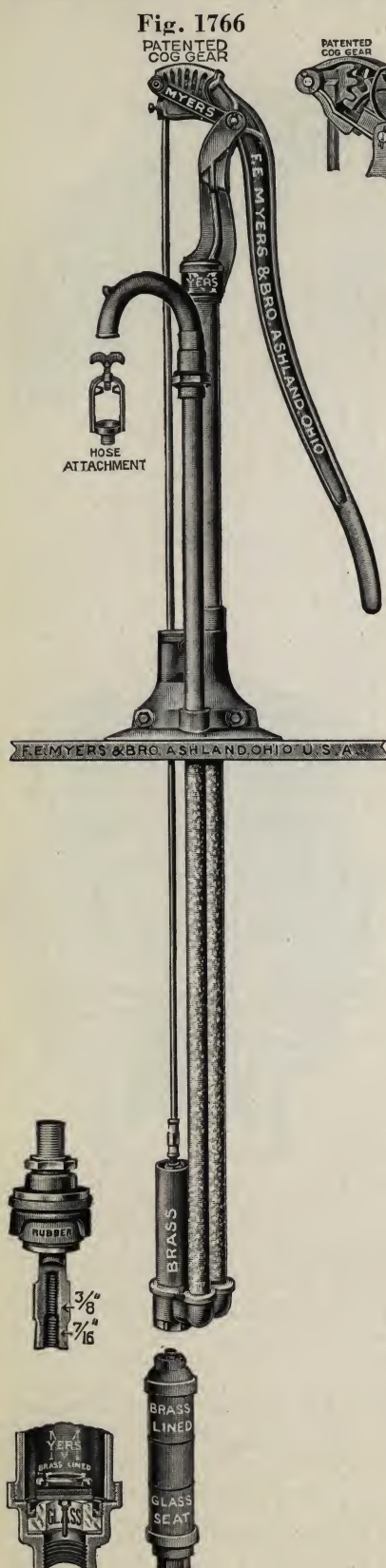
Capacity based on 40 strokes per minute.

For windmill head, like Fig. 1758, add to Price ..... ZEBRA \$2.00

For three-way cock, like Fig. 1833, add to Price ..... ZERO 4.00

For windmill head and three-way cock, add to Price ... ZION 6.00

REPAIRS: See Pages 46 to 49, No. R40 Repair Catalog







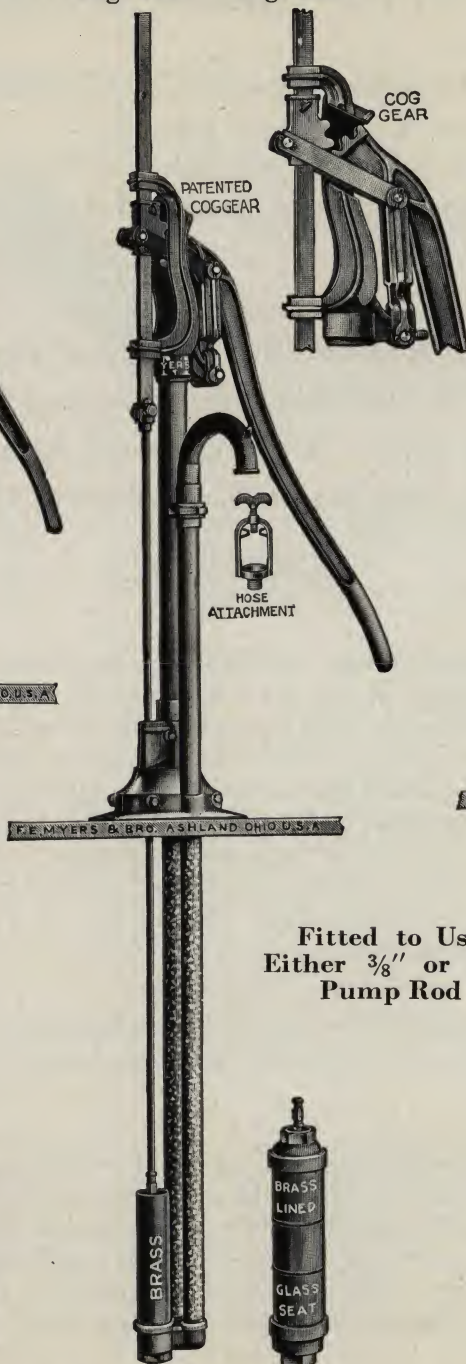
# MYERS BRANCH PIPE DOUBLE ACTING FORCE PUMP

Fig. 1833



For three-way cock as represented by Fig. 1833, add to list, Wt. 10 Lbs. ZERO \$4.00

Fig. 1758

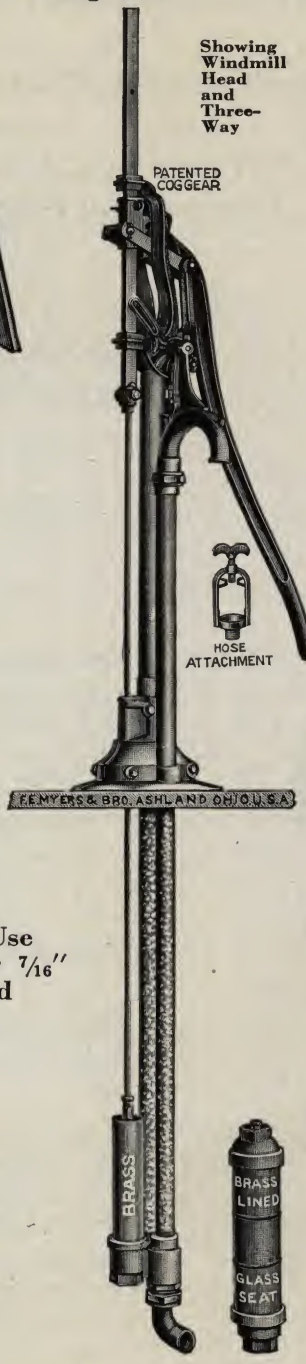


For windmill head, as represented by Fig. 1758, add to list ..... ZEBRA \$2.00

Fig. 1899

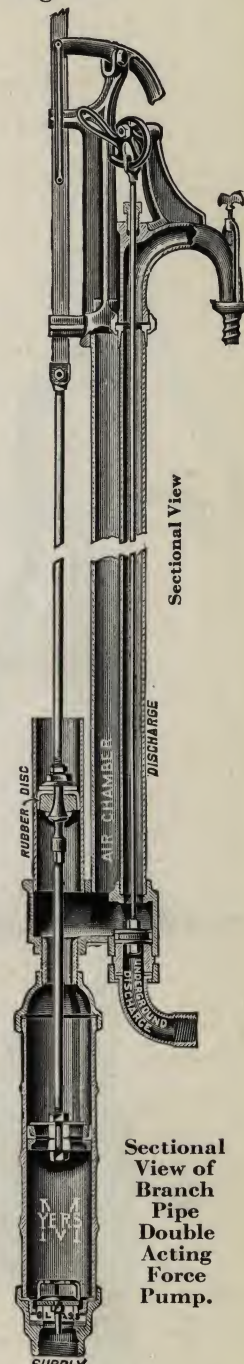


Fig. 2127



For windmill head and three-way cock, as represented by Fig. 2127, add to list ..... ZION \$6.00

Fig. 770



Sectional View of Branch Pipe Double Acting Force Pump.

Fitted to Use  
Either  $\frac{3}{8}$ " or  $\frac{7}{16}$ "  
Pump Rod

The above cuts illustrate the Myers Double Acting Force Pump as furnished with Three-Way Cock and Windmill Head. When Fitted with Windmill Head 2" longer cylinder is required.

Fig. 1833 with Three-Way Cock only.  
Fig. 1758 with Windmill Head only.

Fig. 2127 with both Three-Way Cock and Windmill Head.  
Fig. 770 Sectional View showing details of construction.

REPAIRS: See Pages 46 to 49, No. R40 Repair Catalog





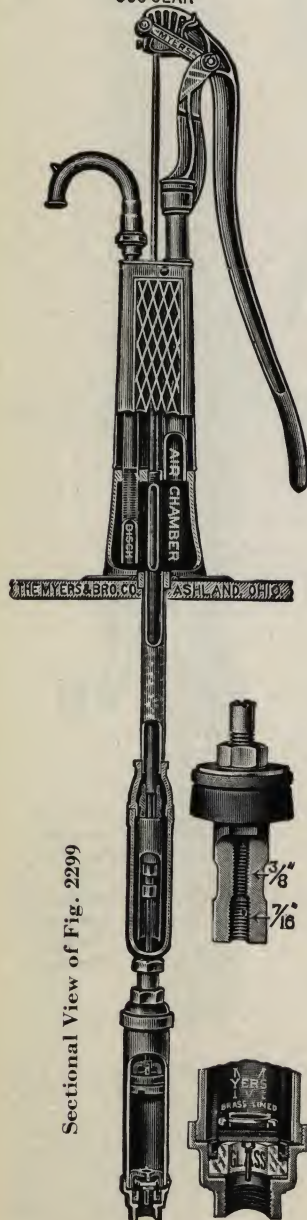
# THE MYERS SUBMERGED CYLINDER DOUBLE ACTING FORCE PUMP

*For Shallow or Deep Wells—Recommended for Cold Climates*

**All Double Acting Force Pumps are fitted with Myers  
Plunger with Brass Follower, Seat and Valve.**

Fig. 2298

PATENTED  
COG GEAR



**Has Easy Operating Cog Gear, or Plain Handle, 4 Foot Set Length, and Is Made with Galvanized Pipe Only. Furnished with Either Brass or Brass Lined Lower Cylinder Fitted with Myers Non-Corrosive Glass Valve Seat.**

FIG. 2298 illustrates the Myers Double Acting Force Pump, showing the construction of the Pneumatic Air Chamber, Water Way, etc. The Base is hollow, with a pipe running through the center for the Pump Rod to pass through, making the base an air tight chamber which forms a part of the air chamber of the Pump. The Handle Bearer is a wrought steel tube, forming the Handle Support, and completes the Air Chamber. The Upper Cylinder is composed of a Plunger, a Seamless Brass Cylinder, and an Iron Shell inclosing the Brass Cylinder, and forming a water way direct to the discharge pipe. This cylinder is connected to the base by galvanized pipe screwed firmly to the base.

The inner pipe screws into the top of the base and into top of submerged cylinder, thus preventing the water from coming into contact with Pump Rod.

This construction allows the water to flow directly from the lower cylinder to the air chamber. Notice the connection is broken between cylinder and spout at the air chamber—the water is pumped into air chamber and air forces it out of the spout. By this means a perfectly even flow is obtained, no matter how rapidly the handle is worked. Others do not use this construction; hence, the stream vibrates at dead points of the lever.

The lower cylinder is either brass or brass lined, and is supplied with our patented Glass Valve Seat, a material that has double the durability of any known metal, and is free from the effects of the highly corrosive elements frequently found in water. Adapted to either cased or open wells, and suitable to any depth under 200 feet.

Not adapted for operation by windmill or pump jack. See Fig. 399.





# THE MYERS SUBMERGED CYLINDER DOUBLE ACTING FORCE PUMP

*For Shallow or Deep Wells*

**With Cog Gear or Plain Handle—Six Inch Stroke**

**Malleable Iron Shield Over Cog Gears. Anti-Freezing**

**PATENTED**

**Made With Galvanized Pipe Only**

**FIG. 2299** illustrates the Myers Submerged Cylinder Double Acting Force Pump especially adapted for use in small diameter drilled wells. Fully described on opposite page.



Plain Handle

**4 Foot Set Length. With Patented Glass Valve Seat**

**Fitted to Use Either  $\frac{3}{8}$ " or  $\frac{7}{16}$ " Pump Rod**

**PRICE LIST, Represented by Fig. 2299**

## BRASS LINED LOWER CYLINDER

Pump No.	Handle	Size Inches Cylinder	Pipe, Inches	Capacity Per Hour, Gallons	Least Diam. Well Inches	Wt. Lbs.	Code	Price
R70	Cog G.	2½	1¼	306	4	90	CADBY	\$21.75
70C	Plain	2½	1¼	306	4	89	CALJA	21.75
R72	Cog G.	3	1¼	440	4½	95	CADDU	21.75
72C	Plain	3	1¼	440	4½	94	CALOP	21.75
R74	Cog G.	3½	1½	600	5	100	CADES	24.00
74C	Plain	3½	1½	600	5	99	CALUD	24.00

## BRASS LOWER CYLINDER

R71	Cog G.	2½	1¼	306	3	87	CADIK	22.25
71C	Plain	2½	1¼	306	3	86	CAMAR	22.25
R73	Cog G.	3	1¼	440	4	92	CADLE	22.25
73C	Plain	3	1¼	440	4	91	CAMIB	22.25
R75	Cog G.	3½	1½	600	4½	97	CADOX	25.00
75C	Plain	3½	1½	600	4½	96	CAMTE	25.00

**For Wells Less Than 30 Feet in Depth**

**Will go in a 4½ Inch Cased Well**

**No. R56, has a 3 inch brass lined cylinder with glass valve seat, tapped for 1¼ inch suction pipe. Wt. 92 Lbs. . . CAKID \$20.75**

**REPAIRS: See Pages 50 to 53, No. R40 Repair Catalog**







# MYERS HEAVY SUBMERGED CYLINDER DOUBLE ACTING DEEP WELL WINDMILL FORCE PUMP

Fig. 399

*For Shallow or Deep Wells*

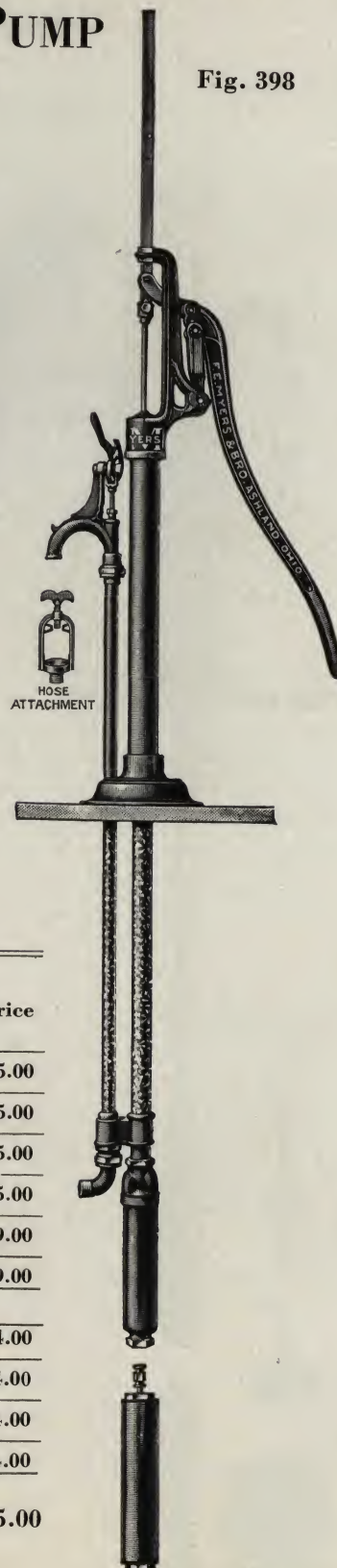
**Cog Gear Handle has 7"  
Stroke for Hand and 10"  
for Windmill**

**Plain Handle Has  
6, 8 and 10" Stroke**

Fig. 1914



Fig. 398



**THIS** pump is especially adapted to heavy work. Ideal for Windmill or Pump Jack operation.

Where lasting service is demanded you may recommend this Pump for satisfactory performance in any type of well, but especially those of extreme depth.

**Made With Galvanized Pipe Only**

**Upper Cylinder 4 Feet Below Platform  
With Patented Glass Valve Seat**

## PRICE LIST, Represented by Fig. 399

### BRASS BODY LOWER CYLINDER

Pump No.	Handle	Cylinder Size, Inches	Pipe Inches	Capacity Per Hour, Gallons	Least Diam. Well Inches	Wt. Lbs.	Code	Price
20	Plain	2½	1¼	510	3	100	CAFMA	\$25.00
R20	Cog G.	2½	1¼	510	3	104	CAFOV	25.00
23	Plain	3	1¼	730	4	111	CAGEP	25.00
R23	Cog G.	3	1¼	730	4	114	CAGRO	25.00
25	Plain	3½	1½	1000	4½	112	CAHAW	29.00
R25	Cog G.	3½	1½	1000	4½	115	CAHIG	29.00

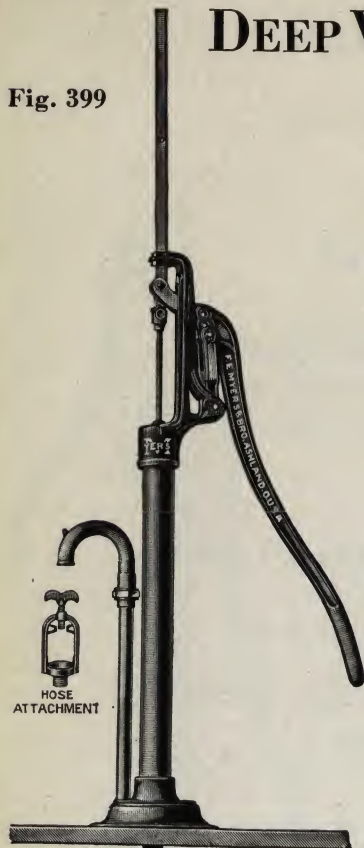
### BRASS LINED LOWER CYLINDER

21	Plain	2½	1¼	510	4	104	CAHLA	\$24.00
R21	Cog G.	2½	1¼	510	4	108	CAHOT	24.00
22	Plain	3	1¼	730	4½	116	CAJEM	24.00
R22	Cog G.	3	1¼	730	4½	119	CAJOR	24.00

When fitted with three-way cock, as shown in Fig. 398, add to Price ..... **ZERO \$5.00**

**Fitted to Use Either 3/8" or 7/16" Pump Rod.**

**REPAIRS:** See Pages 50 to 53, No. R40 Repair Catalog







# THE MYERS SUBMERGED CYLINDER DOUBLE FORCE PUMP

Fig. 2863

## For Shallow or Deep Wells

Has Plain Handle and Windmill Head with 6", 8" or 10" Adjustable stroke for hand use and up to 10" stroke for windmill operation. The malleable iron head and fulcrum are strong and sturdy and identical to that used on Myers Simplex Pump Stands and on No. 1239 Myers Three-Way Pumps.

FIG. 2863 illustrates the Myers Double Acting Force Pump which was developed to provide a pump of the famous double acting type embodying practically all of the valuable refinements and improvements found on other types of Myers Hand Pumps.

Especially recommended for small diameter wells. It gives your customers a light weight high quality pump with outstanding Myers construction and convenience features. The adjustable two part base permits spout or back outlet to be raised or lowered to suit any condition. The compression cock spout permits forcing water through 1½" back outlet to stock water troughs, etc. Bolted Malleable Iron Head and Fulcrum permits handle to be located either to left or right or directly behind spout. Other Myers Extra Quality Construction Features include—pump rod enclosed in inner pipe preventing rust and eliminating use of stuffing box nut and requiring less attention and service—½" hard steel pins—Myers patented Glass Valve seat cylinder and galvanized pipe between air chamber and upper cylinder.

Fitted to Use Either ⅜" or ⅞" Pump Rod

Upper Cylinder 4 Feet Below Platform

## PRICE LIST, Represented by Fig. 2863

### BRASS BODY LOWER CYLINDER

Pump No.	Lower Cylinder Size Inches	Pipe, Inches	Capacity Per Hr., Gallons	Least Diam. Well, Inches	Weight Lbs.	Code	Price
45	2½	1¼	510	3	90	CAKWA	\$26.00
47	3	1¼	730	4	96	CALAS	26.50

### BRASS LINED LOWER CYLINDER

46	2½	1¼	510	4	94	CALCO	25.00
48	3	1¼	730	4½	102	CALEK	25.50

Fig. 2275 Sanitary Base for 4" or 6" Pipe Well Casing to prevent surface water from entering the well. No extra charge for 4" when ordered on the Pump. The 6" Base adds to the List of the Pump.....\$ .50

REPAIRS: See Pages 44, 50 to 53 and 58-59, No. R40 Repair Catalog

Fig. 2893

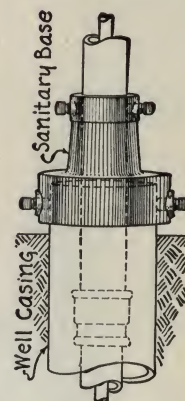


Fig. 2893 illustrates the application of the Sanitary Base.

For Sealtite Sanitary Base See Accessories Page 210.



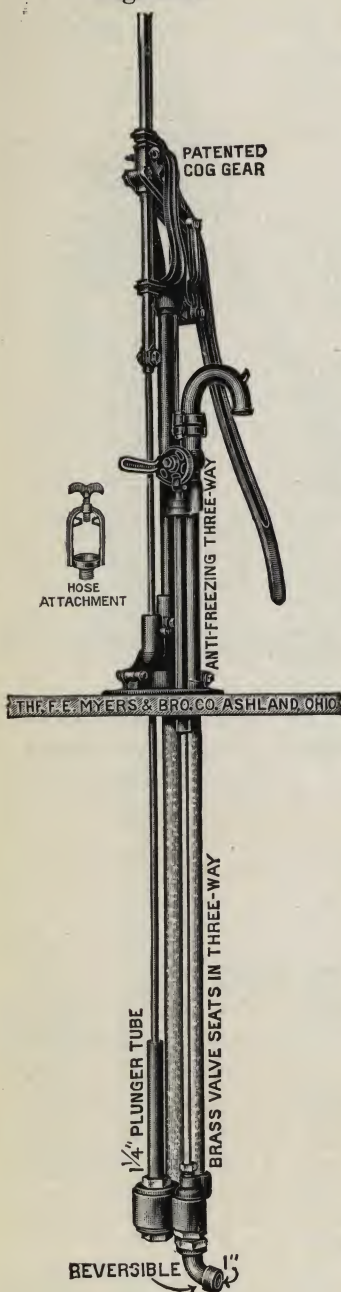




# MYERS BRANCH PIPE SINGLE ACTING THREE-WAY FORCE PUMP

*With Windmill Head and Cog Gear or Plain Handle*

Fig. 2991



With Adjustable Base

All Three-Way Parts 4 Feet Below Base

Three-Way Rod Enclosed and  
Thoroughly Frost Proof

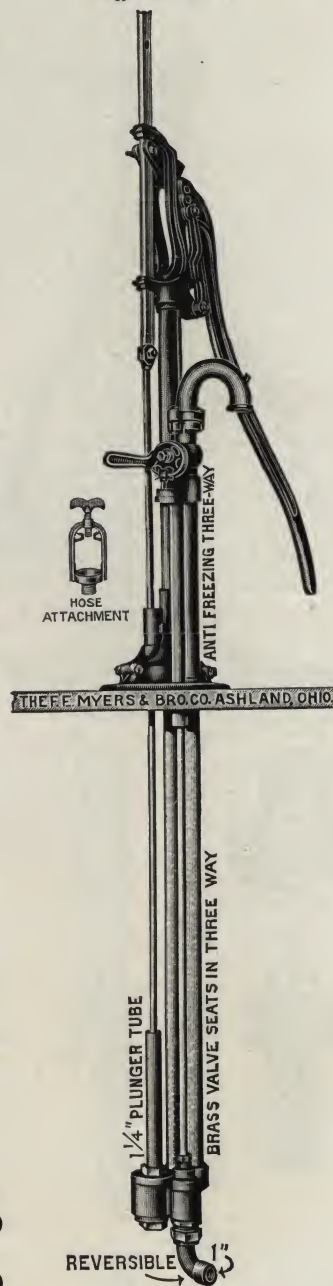
Plain Handle 6, 8 and  
10 Inch Stroke

Cog Gear Handle 7 Inch Stroke for Hand  
Operation, 10 Inch Stroke for Windmill

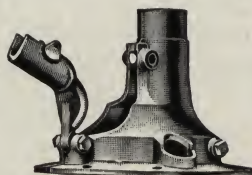
Anti-Freezing

The rolling Motion Cog Gear increases leverage 33 1/3%, adapting this pump to very deep wells. The Three-Way Control Lever is cam-shaped, raises and lowers the valve quickly and direct, takes up all wear of the valve, and always closes tight with one movement. Does not have a screw or thread to become corroded or stuck by ice. Bottom tapped for 1 1/4, 1 1/2, 2 or 2 1/2 inch pipe (state which is wanted). Always fitted with 1 1/4 inch unless other size is specified.

Fig. 2992



Base Opened  
to Withdraw  
Plunger



Made With Galvanized Pipe Only

Fitted with Fig. 2907

Steel Coupling, 1/2 x 3/8 and 7/16 Rod x 3/8 Pipe

4 FOOT SET LENGTH

## PRICE LIST

Fig. 2991, With Cog Gear Handle

No. R1227, Without Lower Cylinder,	Price
Wt. 92 Lbs. .... FAHHO	\$19.50
No. R1228, With 2 1/2 inch brass lower	
cylinder. Wt. 103 Lbs. FAHIM	28.00

Fig. 2992 With Plain Handle

No. 1227, Without Lower Cylinder. Wt. 101 Lbs. ....	FAJES	Price
No. 1228, With 2 1/2" brass lower cylinder. Wt. 112 Lbs. ....	FAJIK	\$19.50
Nos. R1228 and 1228, when furnished with Brass Lined Cylinder instead of Brass, deduct from price		28.00
		1.00

REPAIRS: See Pages 60 to 63, No. R40 Repair Catalog

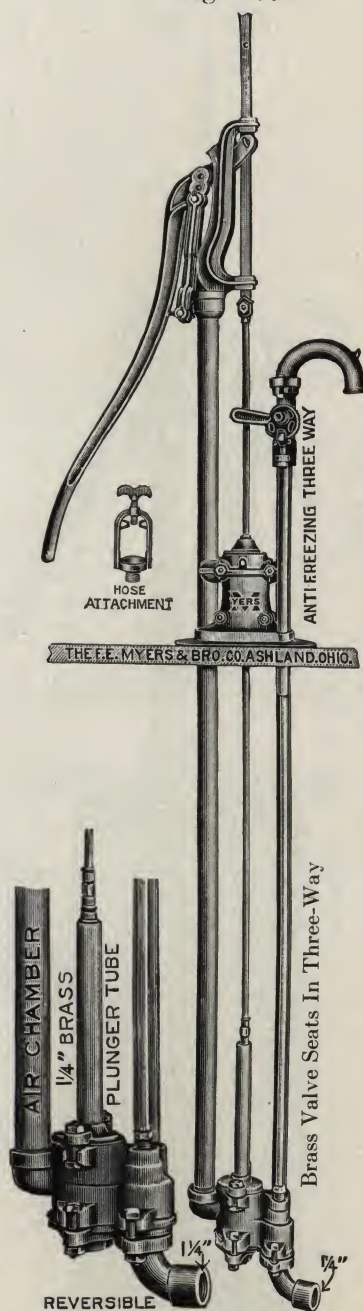




# ASHLAND SINGLE ACTING THREE-WAY FORCE PUMP

*With Windmill Head and Cog Gear or Plain Handle*  
**Anti-Freezing**

Fig. 2993



**With Adjustable Base. For Tubular or  
Other Wells**

**All Three-Way Parts 4 Feet Below Base**

**Plain Handle Pump 6, 8 and 10 Inch Stroke**

**Cog Gear Handle 7 Inch Stroke for Hand,  
10 Inch Stroke for Windmill**

**Made With Galvanized Pipe Only**

FIG. 2993 represents the Ashland Adjustable Stroke Force Pump, all parts held together by bolted flanges. Fig. 1899 illustrates the Cog Gear Handle as used on this Pump. The rolling motion cog gear increases the leverage  $33\frac{1}{3}\%$ . This special leverage adapts the pump to very deep wells.

The three-way has stuffing box placed 4 feet below the base—a thorough frost proof job.

The Myers Three-Way Control Lever is cam-shaped, raises and lowers the valve quickly and direct, takes up all wear of the valve, and always closes tight with one movement. Does not have a screw or thread to become corroded or stuck by ice.

On tubular wells a 3 inch plunger can be withdrawn without removing pump. It is furnished with flanged union at bottom, tapped for  $1\frac{1}{4}$ ,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$  or 3 inch pipe; state which is wanted. *Always fitted with  $1\frac{1}{4}$  inch flange unless other size is specified.*

**Fitted with Fig. 2907**

**Steel Coupling,  $\frac{1}{2}$  x  $\frac{3}{8}$  and  $\frac{7}{16}$  Rod x  $\frac{3}{8}$  Pipe  
4 FOOT SET LENGTH**

## PRICE LIST, Represented by Fig. 2993

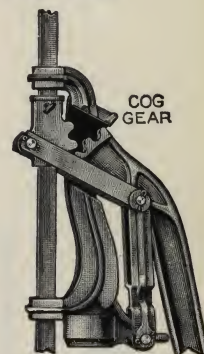
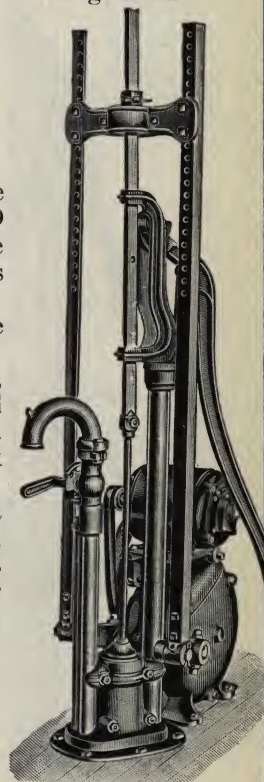
### PLAIN HANDLE PUMP

No. 1230,	Complete as represented by Fig. 2993, with plunger tube, and <i>without</i> lower cylinder. Wt. 100 Lbs.	FADOD	Price
No. 1232,	Complete as described, with plunger tube, and with $2\frac{1}{2}$ " brass lower cylinder. Wt. 111 Lbs.	FADUR	\$21.00

### COG GEAR HANDLE PUMP

No. R1230,	Complete as represented by Fig. 1899, with plunger tube, and <i>without</i> lower cylinder. Wt. 103 Lbs.	FAFCA	21.00
No. R1232,	Complete as described, with plunger tube, and with $2\frac{1}{2}$ " brass lower cylinder. Wt. 114 Lbs.	FAFDY	29.50
Three-way discharge fitted for $1\frac{1}{2}$ inch pipe when specified on order.			
Nos. 1232 and R1232, when furnished with Brass Lined Cylinder instead of Brass, deduct from Price			
Fig. 3141	Self-Lubricating Jack See Page 147.		1.00

Fig. 1899

Sectional View  
Fig. 3141Self-Lubricating  
Jack Attached to  
3-way Pump

**REPAIRS:** See Pages 60 to 63, No. R40 Repair Catalog

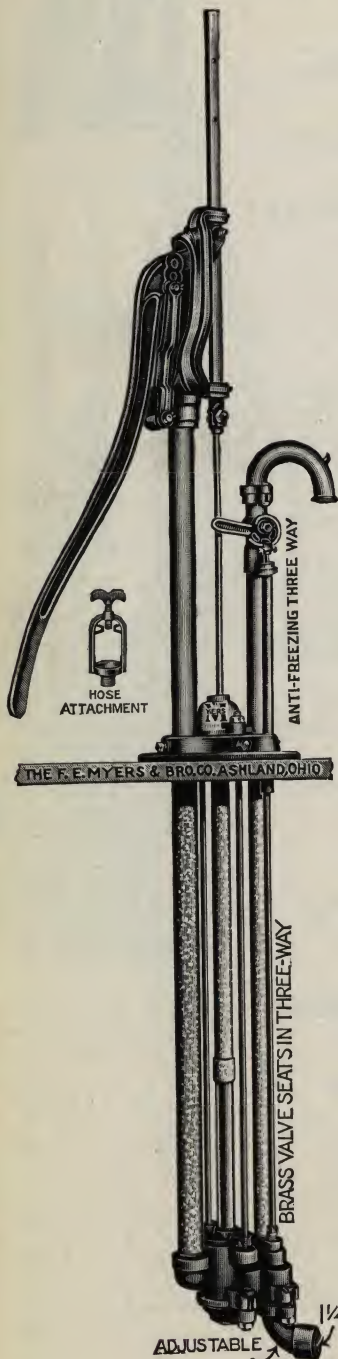




# MYERS VICTOR SINGLE ACTING THREE-WAY FORCE PUMP

*Anti-Freezing*

Fig. 2994



Plain Handle 6, 8 and 10 Inch Stroke  
for Hand or Windmill Operation

Cog Gear Handle Pump has 7 Inch  
Stroke for Hand Operation—10 Inch  
Stroke for Windmill

For Tubular Wells

Upper Cylinder Plunger and Check  
Valve Withdrawn Through Base

FIGS. 2994 and 1966 illustrate the Myers Victor Underground Three-Way Force Pump fully described under Fig. 2993, except that the Victor is so constructed that all working parts can be withdrawn and replaced through the base without going below the platform.

Bottom Flange Tapped for 2" Pipe—regular.  
If 2½" or 3" Flange is wanted, state on order.

Fitted with Fig. 2907 Steel Cplg.  
½" x ⅜" x ⅞" Rod x ⅜" Pipe Male

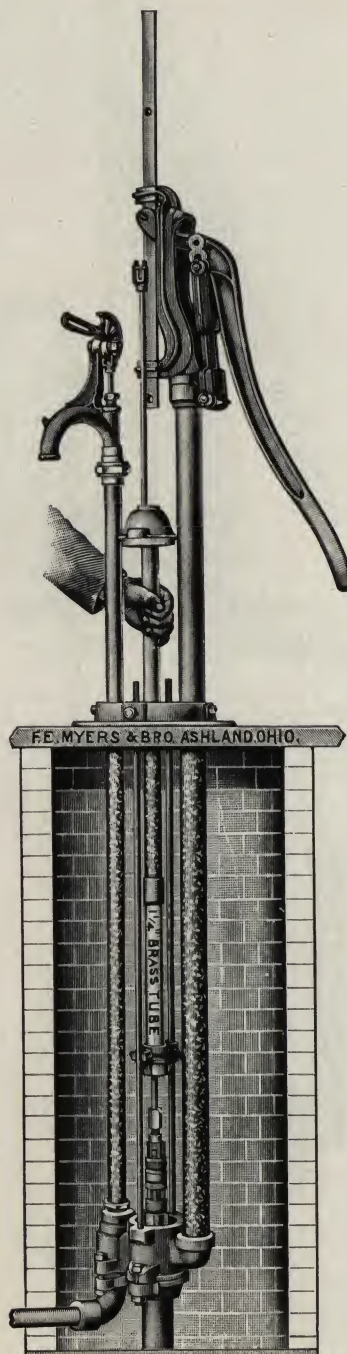
Made With Galvanized Pipe Only  
4 FOOT SET LENGTH

## PRICE LIST

Represented by Fig. 2994

No. 1229,	The Myers Victor Pump complete as shown in Fig. 2994. (Lower Cylinder or Working Barrel Not Included.) Wt. 115 Lbs.....FAFFU	Price \$24.50
No. R1229,	Same as No. 1229, but fitted with Cog Gear Handle. Wt. 114 Lbs. .....FAJOX	24.50

Fig. 1966



REPAIRS: See Pages 60 to 63, No. R40 Repair Catalog





# HERCULES SINGLE ACTING THREE-WAY FORCE PUMP

*With Malleable Iron Head and Fulcrum*

Fig. 2995

Light Weight Will Not Break

Fig. 1944

Same Head and Fulcrum Used on Simplex  
and Economy Stands

Piston and Three-Way Rod Enclosed and  
Thoroughly Frost Proof

Plain Handle 6, 8 and 10 Inch Stroke



Cog Gear Head

Cog Gear Handle 7 Inch Stroke for Hand, 10 Inch Stroke for Wind-  
mill Made With Galvanized Pipe Only

FIG. 2995 illustrates the Hercules Underground Discharge Windmill Force Pump. The flanges are drilled so that the head can be set on any quarter. Cast iron lugs shown on side of stand are for mounting No. 430 Pump Jack.

The three-way has stuffing box placed 4 feet below the base—a thorough frost proof job.

The Myers Three-Way Control Lever is cam-shaped, raises and lowers the valve quickly and direct, takes up all wear of the valve, and always closes tight with one movement. Does not have a screw or thread to become corroded or stuck by ice.

The pipe head section has all parts bolted together with  $\frac{1}{2}$  inch bolts, making the strongest possible construction and eliminating all special threads.

The three-way elbow is tapped for  $1\frac{1}{4}$  inch pipe.  $1\frac{1}{2}$  inch elbow furnished when specified.

The Pump is furnished with Flanged Union at bottom tapped for  $1\frac{1}{4}$ ,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$  or 3 inch pipe. State which is wanted. Always fitted with  $1\frac{1}{4}$  inch flange unless other size is specified.

Fitted with Fig. 2907, Steel Coupling,  $\frac{1}{2} \times \frac{3}{8}$  and  $\frac{7}{16}$  Rod  $\times \frac{3}{8}$  Pipe  
4 FOOT SET LENGTH

## PRICE LIST, Represented by Figs. 2995 and 1944

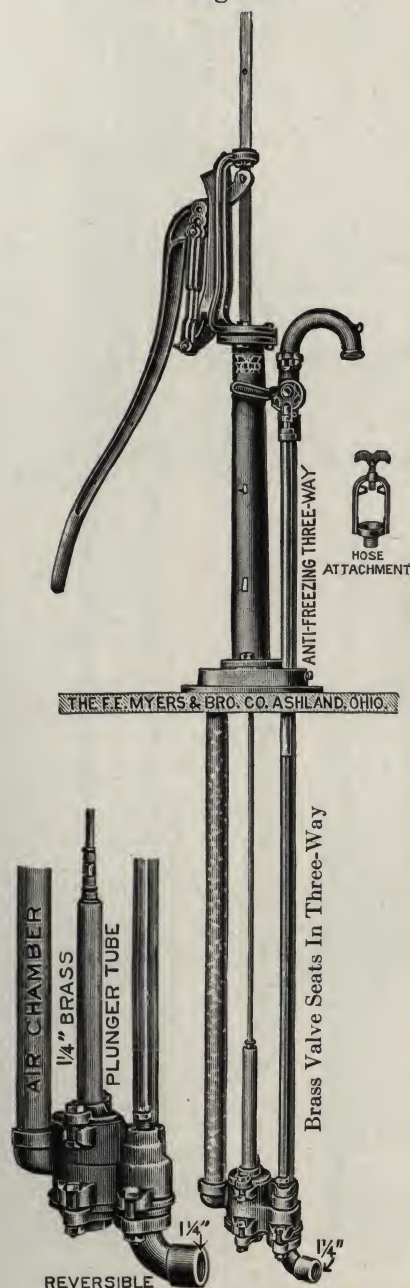
### PLAIN HANDLE PUMP

No.	Description	Price
No. 1239,	Hercules Pump complete as described with plunger tube and <i>without</i> lower cylinder. Wt. 111 Lbs. .... FAFLI	\$24.50
No. 1244,	Hercules Pump complete as described with plunger tube and <i>with</i> $2\frac{1}{2}$ inch brass lower cylinder. Wt. 122 Lbs. ... FAFOB	33.00

### COG GEAR HANDLE PUMP

No. R1239,	Cog Gear Hercules Pump complete as described with plunger tube and <i>without</i> lower cylinder. Wt. 114 Lbs. .... FAGAD	24.50
No. R1244,	Cog Gear Hercules Pump complete as described with plunger tube and <i>with</i> $2\frac{1}{2}$ inch brass lower cylinder. Wt. 125 Lbs. .... FAGIN	33.00
Nos. 1244 and R1244, when furnished with Brass Lined Lower Cylinder instead of Brass, deduct from Price		1.00
The Pump Stand can be removed for convenient installation.		

REPAIRS: See Pages 60 to 63, No. R40 Repair Catalog







# THE MYERS WINDMILL REGULATOR FORCE PUMP

PATENTED

**Anti-Freezing**

Has Vertical Three-Way  
6, 8 and 10 Inch Stroke

Made With Galvanized Pipe Only

Piston and Three-Way Rod Enclosed and  
Thoroughly Frost Proof

FIGS. 2996 and 2997 illustrate the Improved Myers Windmill Regulator Pump by using the Hercules Three-Way Pump.

The three-way has stuffing box placed 4 feet below the base—a **thorough frost proof job.**

The Myers Three-Way Control Lever is cam-shaped, raises and lowers the valve quickly and direct. Takes up all wear of the valve and always closes tight with one movement. Does not have a screw or thread to become corroded or stuck by ice.

The pipe head section has all parts bolted together with  $\frac{1}{2}$  inch bolts, making the strongest possible construction and eliminating all special threads.

The three-way elbow is tapped for  $1\frac{1}{4}$  inch pipe.  $1\frac{1}{2}$  inch elbow furnished when specified.

The Pump is furnished with Flanged Union at bottom tapped for  $1\frac{1}{4}$ ,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$ , or 3 inch pipe. **State which is wanted.** Always fitted with  $1\frac{1}{4}$  flange unless other size is specified.

Fitted with Fig. 2907  
Steel Coupling,  $\frac{1}{2} \times \frac{3}{8}$  and  $\frac{7}{16}$   
Rod  $\times \frac{3}{8}$  Pipe

4 FOOT SET LENGTH

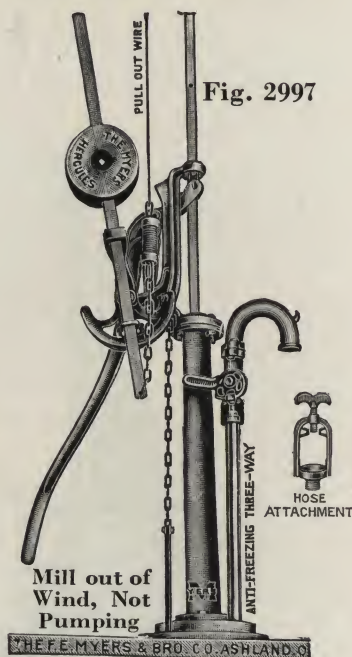
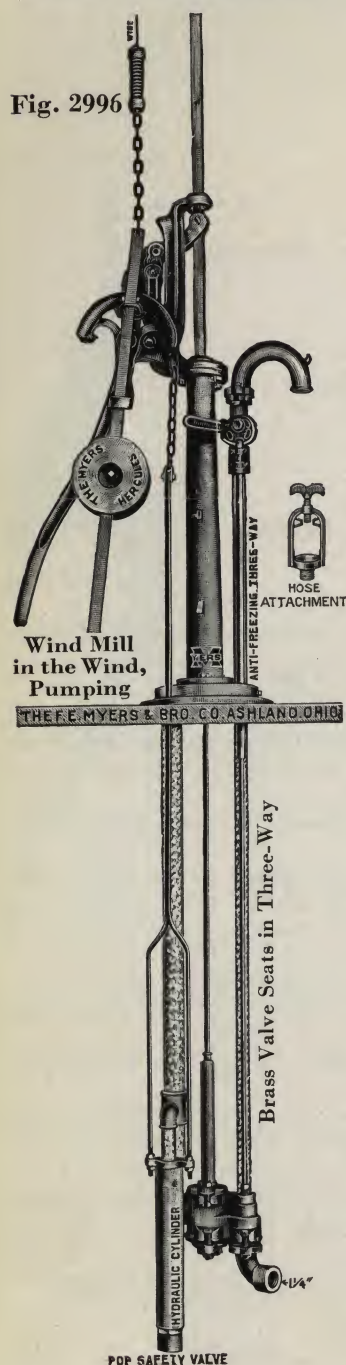
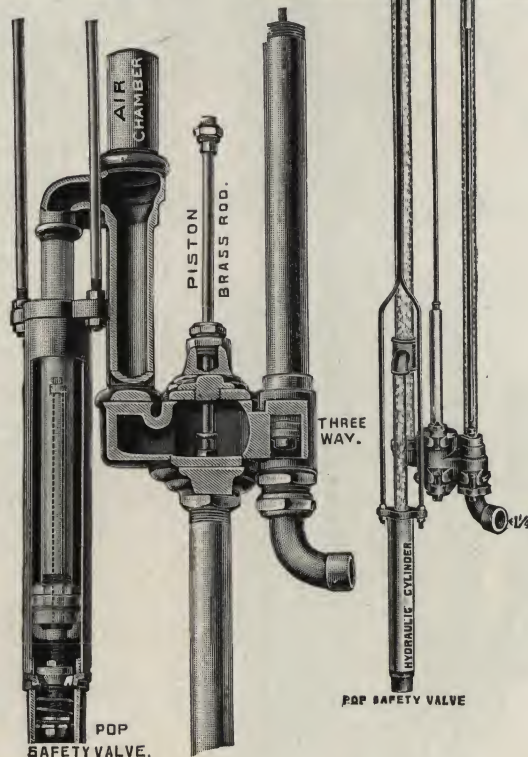


Fig. 530



## PRICE LIST, Represented by Figs. 2996 and 2997

	Price
No. 1240, Complete as described, with plunger tube and <i>without</i> lower cylinder. Wt. 141 Lbs. FAGRU	\$37.00
No. 1241, Same as No. 1240 <i>with</i> $2\frac{1}{2}$ inch brass lower cylinder. Wt. 152 Lbs. .... FAHAC	45.50
No. 1241 when fitted with B. L. lower cylinder instead of brass, deduct .....	1.00

REPAIRS: See Pages 64 to 66, No. R40 Repair Catalog





# MYERS HAND PUMP DISPLAY STANDS

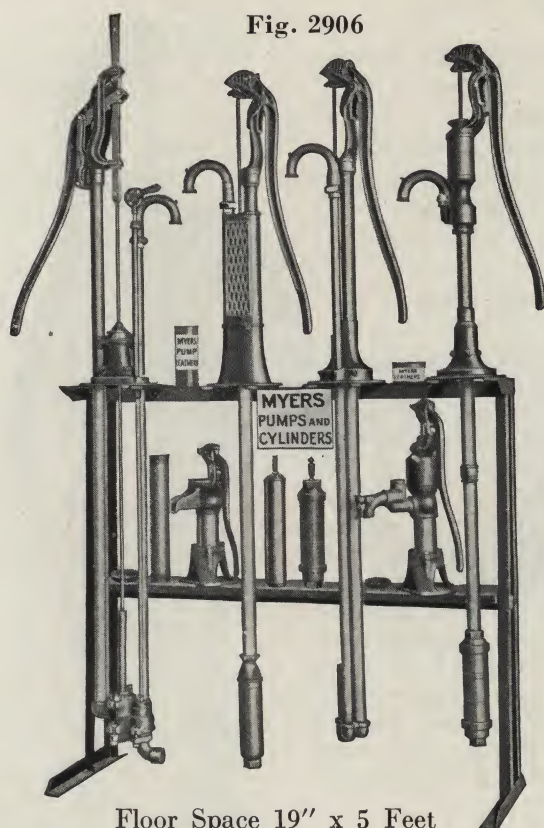


Fig. 2906

Floor Space 19" x 5 Feet

Furnished at Cost To Assist Dealers  
in the Sale of Myers Pumps.

No Dealer Can Afford To Be Without One.

*Pumps Properly Displayed  
Are Easily Sold.*

Fig. 2906 illustrates the Myers Display Stand as it will appear in the Show Room or on Sample Floor with Pumps, Cylinders, Leathers, etc., mounted for Exhibition. Any particular style or kind of Myers Hand Pump or Cylinder can be shown to the best advantage. It enables a salesman to explain any particular type of pump in which his customer may be interested without making several trips to the warehouse or elsewhere for stock.

Fig. 2754 illustrates a handy stand to display a single Set Length Pump.

Fig. 2754



## PRICE LIST, Figs. 2906 and 2754

	NET
Fig. 2906, Myers Pump Display Stand . . . CAMUC	\$6.00
Wt. 142 lbs.	
Fig. 2754, Individual Pump Stand . . . . . CAKPO	1.00
Wt. 10 lbs.	

Net to Dealer or Jobber.

Pumps Not Included.

## THE MYERS IMPROVED PATENTED GLASS VALVE SEAT AND PATENTED DROP VALVE

*The Patented Glass Valve Seat and Drop Valve  
Are Used Only on Myers Pumps*

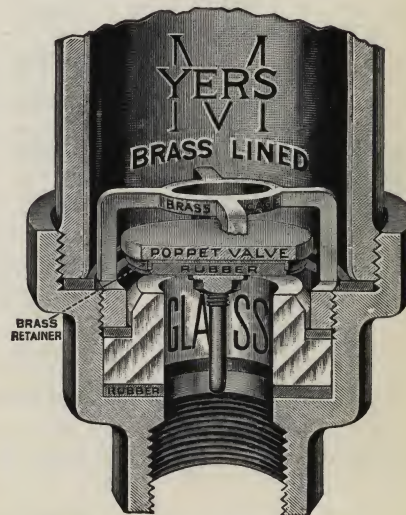
WE use the *Patented Glass Valve Seat* because glass is the only material that will not *corrode or rust* and accumulate a vitreous substance which *hardens the leathers* and causes the pump to lose priming, as is the case with brass, iron or any other metal.

THE VALVE is of the poppet pattern, fitted with a specially vulcanized rubber face. This rubber is enclosed in a brass retainer that prevents its spreading or getting out of shape when used continually, or being crushed when under heavy pressure.

The poppet valve is held in position by a heavy brass cage which also holds the glass seat firmly in position. The action of the valve is always perpendicular, *rising clear* of the seat at each stroke, thus clearing itself of all foreign substances which is not the case with a hinge valve.

**RUBBER vs. LEATHER in Check Valves.** The advantage of the former is, that having more life it expels sand or gravel, while leather retains it and causes the pump to lose priming.

Fig. 577



Brass Lined Cylinder Capped Outside.





# THE MYERS COG GEAR LIFT PUMP

Fig. 1830

PATENTED



Fig. 2275



*For Shallow or Deep Wells*

*With Adjustable Base and Reversible Spout*

PATENTED

Has Malleable Iron Shield Over Cog Gears, Patented Glass Valve Seat, Poppet Valve, and MYERS PLUNGER.  
Is Made with Galvanized Pipe Only.

Anti-Freezing—Six Inch Stroke

FIG. 1830 represents the Myers lift pump with rolling motion cog gear handle. This style handle is especially adapted to deep well work owing to the advantage of the superior leverage, with short fulcrum and long handle.

The spout is attached to the pump head by means of a malleable iron bolted flange union, making it reversible. No other make of Lift Pump has a *Reversible Spout*.

The water flows from the spout in a smooth, even stream, equal to that of any double acting force pump. Has  $1\frac{1}{2}$ " Pipe Standard.

Note—The Pump Rod is held by set screw. This permits the adjustment of rod and plunger, after which the rod can be cut off. This does away with the careful fitting of rod before putting pump together.

The Base will fit over the top of a 6" Well Casing.

4 FOOT SET LENGTH

Fitted to Use Either  $\frac{3}{8}$ " or  $\frac{7}{16}$ " Pump Rod

**PRICE LIST, Represented by Fig. 1830**

BRASS LINED CYLINDER

Pump No.	Cylinder Size, Inches	Valve Seat	Pipe, Inches	Gallons Per Hour	Least Diam. Well Inches	Weight Lbs.	Code	Price
R1050	2½	Glass	1¼	306	4	58	DOANS	\$13.25
R1052	3	Glass	1¼	440	4½	60	DOAPO	13.75
R1054	3½	Glass	1½	600	5	65	DOARK	15.50

BRASS BODY CYLINDER

R1051	2½	Glass	1¼	306	3	55	DOBIC	\$13.75
R1053	3	Glass	1¼	440	3½	57	DOBKY	14.50

POLISHED IRON CYLINDER (All Iron Plunger)

R1058	3	Pl. Br.	1¼	440	4½	59	DOBCO	\$10.75
R1059	3½	Pl. Br.	1½	600	5	62	DOBEK	12.00

These Pumps Furnished with Faultless Brass Seat at Glass Seat List.

Fig. 2275, Sanitary Base for 4" or 6" Pipe Well Casing to prevent surface water from entering the well. No extra charge for 4" when ordered on the Pump. The 6" Base adds to the List of the Pump.....\$ .50

Fig. 2893 illustrates the application of the Sanitary Base.

REPAIRS: See Pages 55 to 58, No. R40 Repair Catalog

Fig. 1917

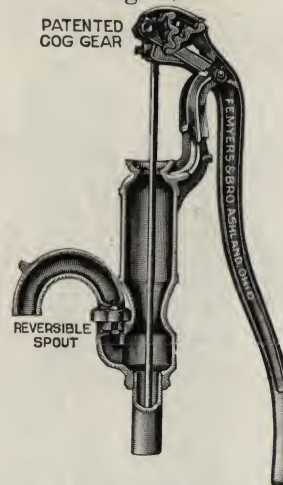
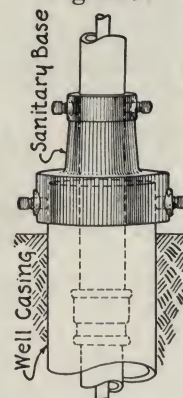
PATENTED  
COG GEAR

Fig. 2893



For Sealtite  
Sanitary Base  
See page 210.





# THE MYERS COG GEAR SINGLE ACTING FORCE PUMP

*For Shallow or Deep Wells*

*With Adjustable Base and Reversible Spout*

PATENTED

Has Malleable Iron Shield Over Cog Gears, Patented Glass Valve Seat, Poppet Valve, and MYERS PLUNGER. Is Made with Galvanized Pipe Only.

Anti-Freezing—Six Inch Stroke

**FIG. 1898** represents the Myers Cog Gear Handle Single Acting Force Pump with oscillating fulcrum which allows the piston to move in a direct line without swaying from side to side, as is necessary with the ordinary handle. The extra leverage adapts the pump to deep wells.

The spout is attached to the pump head by means of a Malleable Iron bolted flange union, making it reversible. No other make of Single Acting Force Pump has a *Reversible Spout*.

The water flows from the spout in a smooth even stream, equal to that of any double acting force pump. Has  $1\frac{1}{2}$ " Pipe Standard.

**Note**—The Pump Rod is held by set screw. This permits the adjustment of rod and plunger, *after which* the rod can be cut off. This does away with the careful fitting of rod before putting pump together.



The Base will fit over the top of a 6" well casing

Fitted with Brass Lined, Polished Iron or Brass Body Cylinder

4 FOOT SET LENGTH

Fitted to Use Either  $\frac{3}{8}$ " or  $\frac{7}{16}$ " Pump Rod

## PRICE LIST, Represented by Fig. 1898

### BRASS LINED CYLINDER

Pump No.	Cylinder Size, Inches	Valve Seat	Pipe, Inches	Gallons Per Hour	Least Diam. Well, Inches	Weight Lbs.	Code	Price
R1070	2½	Glass	1¼	306	4	63	DOBOP	\$14.75
R1072	3	Glass	1¼	440	4½	64	DOBUD	15.25
R1074	3½	Glass	1½	600	5	69	DOCAR	17.00

### BRASS BODY CYLINDER

R1071	2½	Glass	1¼	306	3	59	DODBO	\$15.25
R1073	3	Glass	1¼	440	3½	60	DODIA	16.00

### POLISHED IRON CYLINDER (All Iron Plunger)

R1078	3	Pl. Br.	1¼	440	4½	60	DOCUC	\$12.25
R1079	3½	Pl. Br.	1½	600	5	68	DOCVA	13.50

These Pumps furnished with Faultless Brass Seat at Glass Seat Price.

Fig. 2275, Sanitary Base for 4" or 6" Pipe Well Casing to prevent surface water from entering the well. No extra charge for 4" when ordered on the pump. The 6" Base adds to the List of the Pump . . . . . \$ .50

REPAIRS: See Pages 55 to 58, No. R40 Repair Catalog





# THE MYERS ADJUSTABLE BASE LIFT PUMP

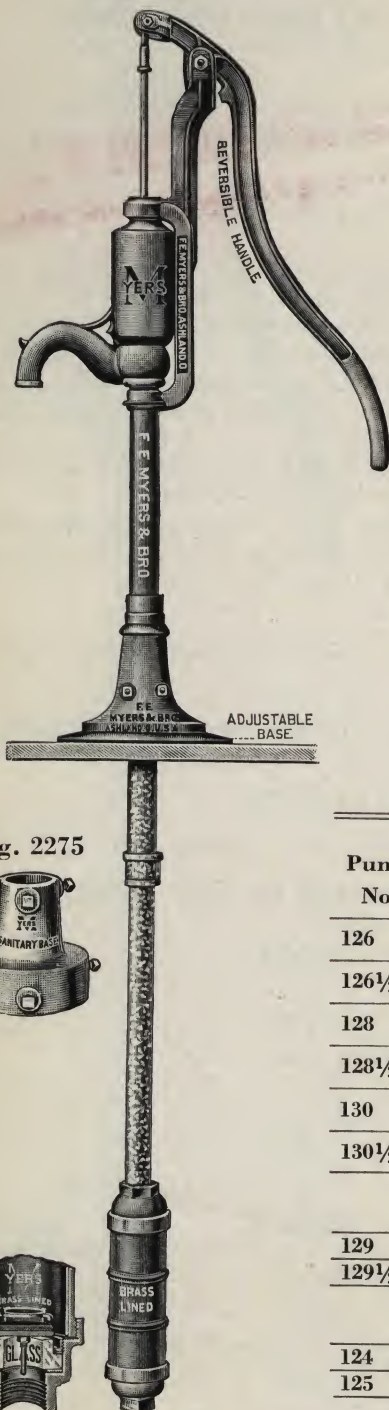
For Shallow or Deep Wells

With Patented Glass, Faultless or Plain Brass Seat  
and MYERS PLUNGER

Made with Galvanized Pipe Only

Anti-Freezing—Six Inch Stroke

Fig. 792



**FIG. 792**, Myers Adjustable Base Lift Pump with  $1\frac{1}{2}$  inch pipe stand, has siphon spout and reservoir head, which throw a continuous stream and *always give satisfaction.*

It is fitted with our reversible handle fulcrum, which has long arm extending below spout forming a strong support that is very desirable, as the breakage to lift pumps caused from frail tops is very annoying to both dealer and user. Has long handle and hard steel pins, *no bolts.*

The Base will fit over the top  
of a 6" well casing

4 FOOT SET LENGTH

Fitted to Use Either  $\frac{3}{8}$ " or  $\frac{7}{16}$ " Pump Rod

PRICE LIST, Represented by Fig. 792

## BRASS LINED CYLINDER

Pump No.	Cylinder Size, Inches	Valve Seat	Pipe, Inches	Gallons Per Hour	Least Diam. Well, Inches	Weight Lbs.	Code	Price
126	2½	Faultless	1¼	306	4	60	DODLU	\$ 13.25
126½	2½	Glass	1¼	306	4	60	DODON	13.25
128	3	Faultless	1¼	440	4½	65	DODUB	13.75
128½	3	Glass	1¼	440	4½	65	DOFDI	13.75
130	3½	Faultless	1½	600	5	68	DOFEG	15.50
130½	3½	Glass	1½	600	5	68	DOFHA	15.50

## BRASS BODY CYLINDER

129	3	Faultless	1¼	440	3½	60	DOGAN	\$ 14.50
129½	3	Glass	1¼	440	3½	60	DOGEF	14.50

## POLISHED IRON CYLINDER (All Iron Plunger)

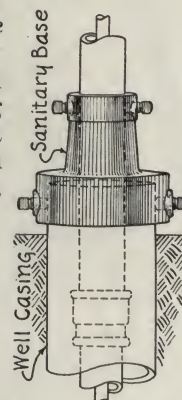
124	3	Pl. Br.	1¼	440	4½	62	DOFIY	\$ 10.75
125	3½	Pl. Br.	1½	600	5	68	DOFOL	12.00

For Windmill Head add ..... ZEBRA 1.50

Fig. 2275, Sanitary Base for 4" or 6" Pipe Well Casing to prevent surface water from entering the well. No extra charge for 4" when ordered on the Pump. The 6" Base adds to the List of the Pump..... \$ .50

Fig. 2893 illustrates the application of the Sanitary Base.

Fig. 2893



For Sealtite  
Sanitary Base  
See Page 210.

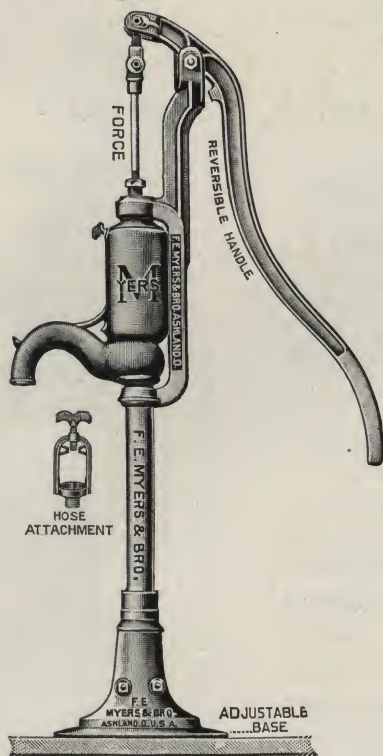
REPAIRS: See Pages 55 to 58, No. R40 Repair Catalog





# MYERS ADJUSTABLE BASE SINGLE ACTING FORCE PUMP

Fig. 827



*For Shallow or Deep Wells  
With Patented Glass, Faultless or Plain Brass Seat  
and MYERS PLUNGER*

**Made With Galvanized Pipe Only**

**Anti-Freezing—Six Inch Stroke**

**FIG. 827,** Myers Adjustable Base Single Acting Force Pump with  $1\frac{1}{2}$  inch Pipe Stand, Siphon Spout and Reservoir Head, which throw a continuous stream and *always give satisfaction.*

It is fitted with our reversible handle fulcrum, which has long arm extending below spout forming a strong support that is very desirable, as the breakage to force pumps caused from frail tops is very annoying to both dealer and user. Has long handle and hard steel pins, *no bolts.*

**The Base will fit over the top of a 6" well casing**

**4 FOOT SET LENGTH**

**Fitted to Use Either  $\frac{3}{8}$ " or  $\frac{7}{16}$ " Pump Rod**

## PRICE LIST, Represented by Fig. 827

### BRASS LINED CYLINDER

Pump No.	Cylinder Size, Inches	Valve Seat	Pipe, Inches	Gallons Per Hour	Least Diam. Well, Inches	Weight Lbs.	Code	Price
135	3	Faultless	$1\frac{1}{4}$	440	$4\frac{1}{2}$	66	DOGIX	\$15.25
135 $\frac{1}{2}$	3	Glass	$1\frac{1}{4}$	440	$4\frac{1}{2}$	66	DOGOK	15.25
136	$3\frac{1}{2}$	Faultless	$1\frac{1}{2}$	600	5	71	DOGTA	17.00
136 $\frac{1}{2}$	$3\frac{1}{2}$	Glass	$1\frac{1}{2}$	600	5	71	DOGWU	17.00

### BRASS BODY CYLINDER

138	3	Faultless	$1\frac{1}{4}$	440	$3\frac{1}{2}$	63	DOHUX	\$16.00
138 $\frac{1}{2}$	3	Glass	$1\frac{1}{4}$	440	$3\frac{1}{2}$	63	DOICH	16.00

### POLISHED IRON CYLINDER (All Iron Plunger)

132	3	Pl. Br.	$1\frac{1}{4}$	440	$4\frac{1}{2}$	65	DOHAM	\$12.25
133	$3\frac{1}{2}$	Pl. Br.	$1\frac{1}{2}$	600	5	68	DOHMO	13.50

For windmill head, add to Price ..... ZEBRA \$1.50

Fig. 2275 Sanitary Base for 4" or 6" Pipe Well Casing to prevent surface water from entering the well. No extra charge for 4" when ordered on the Pump. The 6" Base adds to the List of the Pump ..... \$ .50

**REPAIRS:** See Pages 55 to 58, No. R40 Repair Catalog

CYLINDER  
WATER  
SYSTEMS  
S-O.S.W.  
POWER  
S-O.D.W.  
POWER  
PUMP  
JACKS  
ELECTRO  
PUMPS  
CENTRI-  
FUGAL  
ACTS  
HAND  
PUMP  
POWER  
50000

Fig. 2275



For Sealite  
Sanitary  
Base  
See page 210.







# MYERS SINGLE ACTING FORCE PUMP

WITH SANITARY BASE

*For Shallow or Deep Wells*

WITH MALLEABLE IRON WINDMILL  
HEAD AND FULCRUM

Has Easy Operating Cog Gear Handle, 4 Foot Set Length,  
and Is Made with Galvanized Pipe Only. Furnished  
with Brass Lined or Brass Body Cyl-  
inder Fitted with Myers Non-  
Corrosive Glass Valve Seat.

**F**IGURE 3028 illustrates the Myers Single Acting Force Pump fitted with cock spout, non-breakable malleable iron head and fulcrum, which has been built on Government specifications to meet all sanitary and service requirements over a wide range of operating conditions.

Fitted with patented Cog Gear Handle of extra length for easy operation in deep wells. Has  $1\frac{1}{8}$  inch Steel Piston Rod forged to windmill bar. Cylinder is fitted with Myers patented Non-Corrosive Glass Valve Seat.

The Sanitary Base may be raised or lowered to meet any condition and is regularly furnished with Base to fit wells cased with 6 inch pipe. Stroke, 7 inch for hand use and up to 10 inch for pump jack or windmill operation.

The Stand is made from  $1\frac{1}{2}$  inch galvanized pipe which is reduced to  $1\frac{1}{4}$  inch below the platform. Has  $1\frac{1}{2}$  inch back outlet.

Fitted to Use Either  $\frac{3}{8}$ " or  $\frac{7}{16}$ " Pump Rod

## PRICE LIST, Represented by Fig. 3028

Pump No.	Cylinder, Size Inches	Drop Pipe Inches	Capacity Per Hr., Gallons	Least Diam. Well, Inches	Weight Lbs.	Code	Price
R181	2½" B. L.	1¼	306	4	98	DONJO	\$24.00
R182	3" Brass Body	1¼	440	4	95	DONUR	25.75

If Wanted for use on 4 inch pipe well casing instead of 6 inch, DEDUCT from price.....50c

**REPAIRS:** See Pages 50 to 53 and 58 to 59, No. R40 Repair Catalog

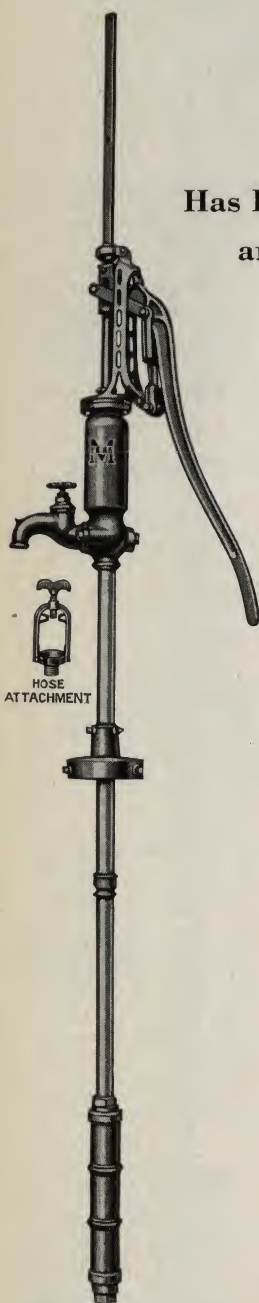


Fig. 2893

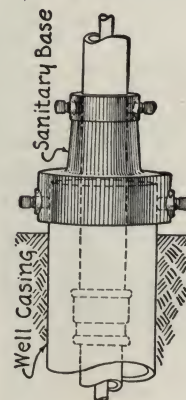


Fig. 2893 illustrates the application of the Sanitary Base.

**For Sealtite  
Sanitary Base  
See Accessories  
Page 210.**





# MYERS LIGHT WEIGHT SET LENGTH LIFT PUMPS

Fig. 2727

For Cisterns or Wells Up to 40 Ft. in Depth

*Anti-Freezing—Six Inch Stroke*

Fig. 2725



Fig. 2275



The Base will fit over the top of a 6" well casing to prevent surface water or vermin from entering the well.

Made with 1 1/4" Galvanized Pipe Only

THE object of placing these pumps on the market is to furnish our distributors with a complete line of Myers Hand Pumps, and enable them to stock Myers Pumps exclusively.

With Adjustable Base and Reversible Handle

FIG. 2727 has our Siphon Spout and Reservoir Head which throw a continuous stream. It is fitted with our reversible handle fulcrum which has long arm extending below the spout forming a strong support that is very desirable. Has long handle and steel bearings. The two part adjustable base will accommodate itself to any and all surroundings. This also makes a very desirable pump for Driven Wells.

With Bolted Head and Siphon Spout

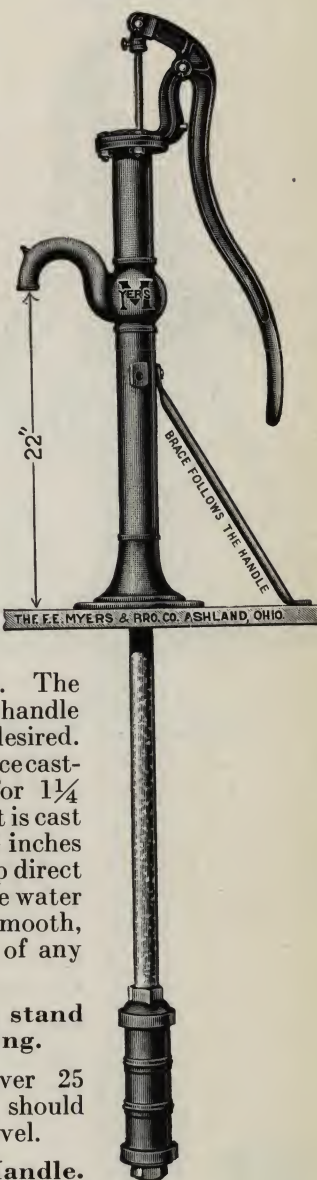
FIG. 2725 illustrates the Myers Junior Economy Lift Pump with Bolted Flange Head and Siphon Spout.

The flanged head is accurately machined and held with three heavy bolts. The Stand is drilled to permit the handle being located at any angle desired. The Stand proper is a one-piece casting tapped below Spout for 1 1/4 inch Pipe. The Siphon Spout is cast solid with the Stand, is 22 inches above the floor and will pump direct into an 8 gallon milk can. The water flows from the spout in a smooth, even stream, equal to that of any double acting force pump.

The base of the pump stand will fit over a 5" well casing.

When used in wells over 25 feet in depth the cylinder should be placed below low water level.

The Brace follows the Handle.



## PRICE LIST, Represented by Figs. 2727 and 2725

CAPACITY, 440 GALLONS PER HOUR

Pump No.	Fig.	Cyl. Kind	Cyl. Size, Inches	Valve Seat	Pipe Inches	Weight Lbs.	Code	Price
167	2727	Pol.	3	Pl. Br.	1 1/4	56	DONAG	\$ 9.50
180	2725	Pol.	3	Pl. Br.	1 1/4	60	DOMTU	10.50

The No. 167 Pump can be furnished with 2 1/2" Cylinder at same price as 3".

FURNISHED ONLY AS LISTED.

Fig. 2275, Sanitary Base for 4" Pipe Well Casing to prevent surface water from entering the well. No extra charge for 4" when ordered on the Pump.

REPAIRS: See Pages 55 to 59, No. R40 Repair Catalog





# MYERS LIFT PUMPS FOR FARM AND STOCK USE

Fig. 1987

## Reversible Handle

PATENTED

Six Inch Stroke

4 FOOT SET LENGTH

Made With Galvanized Pipe Only

FIG. 1987 represents the Ashland Lift Pump for farm and stock use. The pump is heavy, strong and substantial. It is fitted with our adjustable base which permits the spout to be located at any height above the platform and permits placing the cylinder any depth below platform which makes it a very desirable pump for drilled wells.

Has our siphon spout and reservoir head, which throw a continuous stream and *always give satisfaction.*

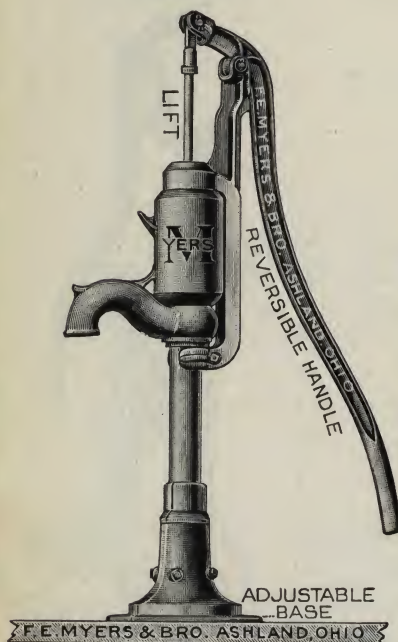
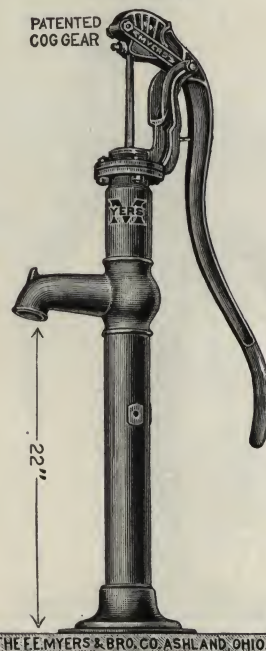


Fig. 2271

PATENTED  
COG GEAR

## PRICE LIST, Represented by Fig. 1987

Pump No.	Cylinder Kind	Cylinder Size, Inches	Valve Seat	Weight Lbs.	Code	Price
146	B. L.	4	Glass	85	DOILP	\$21.50
149	Pol.	4	Plain } Brass }	81	DOISA	16.75

These Pumps furnished with Faultless Brass Seat at Glass Seat Price.

FIG. 2271 illustrates the Myers Cog Gear Economy Lift Pump. The head is held with three heavy bolts which permits the handle being located at any desired angle. The stand proper is a one-piece casting tapped below spout for pipe. The spout is located 22 inches above the base and accommodates an 8 gallon milk can.

Furnished with Brace Not Shown on Cut.

## PRICE LIST, Represented by Fig. 2271

Pump No.	Cyl. Kind	Cyl. Size, Inches	Valve Seat	Pipe Inches	Least Diam. Well, Inches	Weight Lbs.	Code	Price
R191	Pol.	3	Pl. B.	1 1/4	4 1/2	72	DOMIR	\$12.75
R192	B. L.	3	Glass	1 1/4	4 1/2	73	DOITY	16.00
R193	B. L.	3 1/2	Glass	1 1/2	5	80	DOJAK	17.50
R194	B. L.	4	Glass	2	5 1/2	87	DOJEC	21.00
R195	Pol.	4	Pl. B.	2	5 1/2	86	DOMRY	16.25

For Windmill Head on Fig. 2271, (Requires Longer Cylinder) add to Price .....ZEBRA \$3.75

These Pumps furnished with Faultless Brass Seat at Glass Seat Price.

Fitted to Use Either 3/8" or 7/16" Pump Rod.

REPAIRS: See Pages 55 to 59, No. R40 Repair Catalog





# MYERS SIMPLEX AND DEFIANCE COG GEAR FORCE PUMPS FOR FARM USE

Fig. 2020

PATENTED  
COG GEAR*For Shallow or Deep Wells*

4 FOOT SET LENGTH

*Anti-Freezing*Fitted to Use  $\frac{3}{8}$ " or  $\frac{7}{16}$ " Pump Rod

Made With Galvanized Pipe Only

**FIG. 2020**, Myers Simplex Cog Gear Handle Force Pump with 6 Inch Stroke is strong and substantially made. The special leverage adapts it to use with 4 inch cylinder, for wells up to 60 feet.

Has  $1\frac{1}{2}$ " Back Outlet and Brace not shown on cut.

## PRICE LIST, Represented by Fig. 2020

Pump No.	Cylinder Kind	Cylinder Size Inches	Valve Seat	Weight Lbs.	Code	Price
R206	B. L.	3 x10	Glass	80	DOKEB	\$18.75
R207	B. L.	3½x10	Glass	95	DOKIT	20.50
R208	B. L.	4 x10	Glass	97	DOKOG	23.50
R209	Pol.	4 x10	Pl. B.	96	DOKRA	20.00
R211	Brass	2½x14	Glass	74	DOLCE	19.50
R212	Brass	3 x14	Glass	75	DOLFY	20.00

For cock spout, add to Price ..... \$1.75

For Windmill Head, add to Price..... ZEBRA 3.75

**FIG. 2302** illustrates the Myers Defiance Set Length Force Pump with malleable iron head and fulcrum and brace.

For strength, ease of operation, capacity and uniform service, this pump is unequalled.

7 Inch Stroke for Hand Use  
10 Inch Stroke for Windmill

This Pump is Designed for Heavy Work  
Is a Great Favorite with Stock Men

## PRICE LIST, Represented by Fig. 2302

Pump No.	Cylinder Kind	Cylinder Size	Valve Seat	Spout Kind	Least Diam. Well, Inches	Weight Lbs.	Code	Price
R213	Brass	2½x18	Glass	Plain	3	94	DOLHU	\$24.50
R213½	Brass	2½x18	Glass	Cock	3	95	DOLIS	26.25
R214	B. L.	3 x16	Glass	Plain	4½	102	DOLKO	24.00
R214½	B. L.	3 x16	Glass	Cock	4½	103	DOLUT	25.75
R215	B. L.	3½x16	Glass	Plain	5	115	DONDA	25.50
R215½	B. L.	3½x16	Glass	Cock	5	116	DONGU	27.25

Fig. 2302

PATENTED  
COG GEAR

REPAIRS: See Pages 58 and 59, No. R40 Repair Catalog

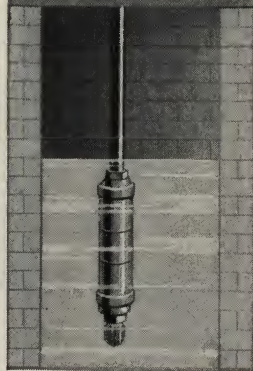




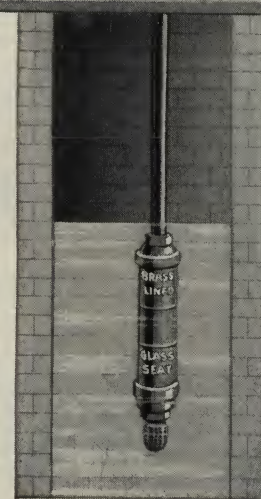
# MYERS ROLLING MOTION COG GEAR DESIGN

means easy operation in deeper wells or with larger diameter cylinders, than is possible with any other equipment.

Fig. 2047



**F**IG. 2047 illustrates the Myers Patented Rolling Motion Cog Gear Pump compared with the ordinary pump. As may be seen at a glance the Rolling Motion (practically frictionless) Cog Gear Pump has greater leverage, operates easier, and will deliver more water from the same depth well (because a larger cylinder can be used) or



the same amount of water from a well of greater depth, at no greater effort than with the ordinary pump will deliver. Consequently Myers Cog Gear Pumps are superior to ordinary types.

The Myers Rolling Motion design has been applied to every type of hand pump which we manufacture from House Pumps, to Stands for very deep well work.

Others may furnish a few types of pumps fitted

with ratchet handle, but no one has a complete line, nor can furnish the *patented Rolling Motion Cog Gear* as supplied on Myers Pumps.





# THE MYERS DEFIANCE COG GEAR PUMP STAND

PATENTED

*Compression Cock or Plain Spout*

## Strength and Simplicity A Real Pump Stand

One Piece Malleable Iron Head or Top used on all Defiance Stands, Force or Lift, Cog Gear or Plain Handle. Has no breakable parts.

Patented Rolling Motion Cog. Gear  $33\frac{1}{3}\%$  less power required to operate.

$1\frac{1}{8}$ " Steel Piston Rod—Securely forged to windmill bar. No loose joints to cause trouble.

Stuffing Box of Unusual Size,  $2\frac{1}{4}$ " Deep—Long time wear.

Extra Large Air Chamber—Full even flow of water.

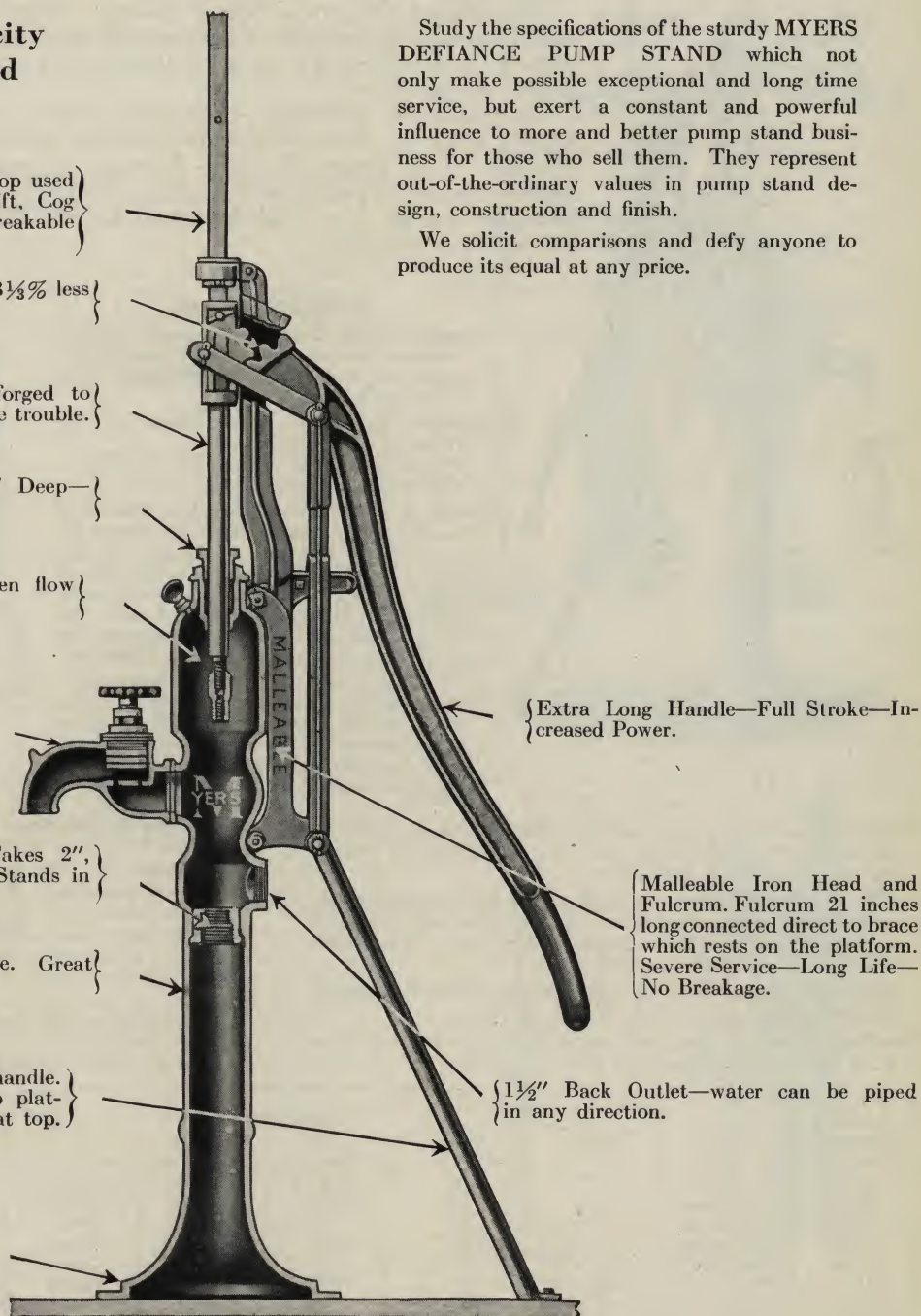
Compression or Plain Spout—Interchangeable. Can be located either right or left or straight away. Simplifies installation.

Patented Three-In-One Bushing. Takes 2",  $1\frac{1}{2}$ " or  $1\frac{1}{4}$ " Suction Pipe. Three Stands in One.

Heavy Body with Full Round Base. Great Strength—Freedom from repairs.

Substantial Steel Brace. Follows the handle. Transfers strain from top of pump to platform thus eliminating all side strain at top.

Flanged Circular Base permits 8" O. D. Pipe or Well Casing to extend up 1" or more above platform to provide sanitary installation.



Study the specifications of the sturdy MYERS DEFIANCE PUMP STAND which not only make possible exceptional and long time service, but exert a constant and powerful influence to more and better pump stand business for those who sell them. They represent out-of-the-ordinary values in pump stand design, construction and finish.

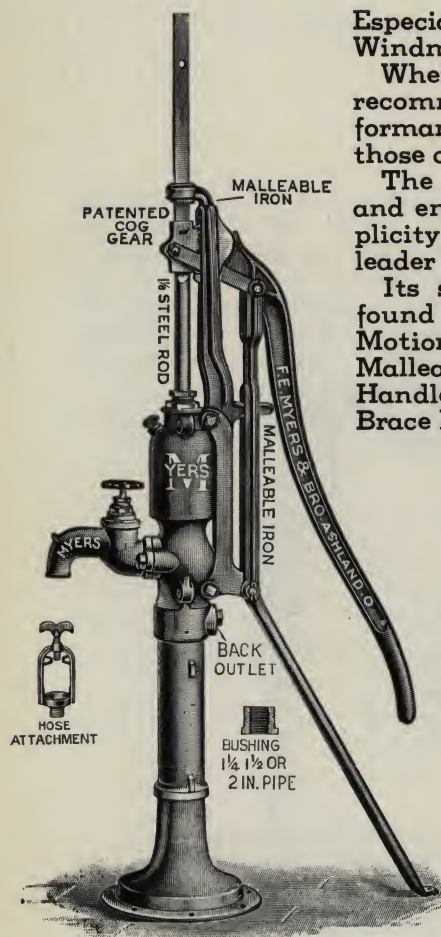
We solicit comparisons and defy anyone to produce its equal at any price.





# THE MYERS DEFIANCE PUMP STAND

Fig. 1478



## For Shallow or Deep Wells

Especially adapted to heavy work. Ideal for Windmill or Pump Jack operation.

Where lasting service is demanded you may recommend this Stand for satisfactory performance in any type of well, but especially those of extreme depth.

The Myers Defiance Pump Stand, designed and engineered for greatest strength and simplicity, has proven to be an outstanding sales leader everywhere.

Its superior features—many of which are found only on Myers Stands include Rolling Motion Cog Gear Handle—Strong, Durable Malleable Iron Head and Fulcrum—Extra Long Handle—Large Air Chamber and Heavy Steel Brace below Handle.

### SPECIFICATIONS

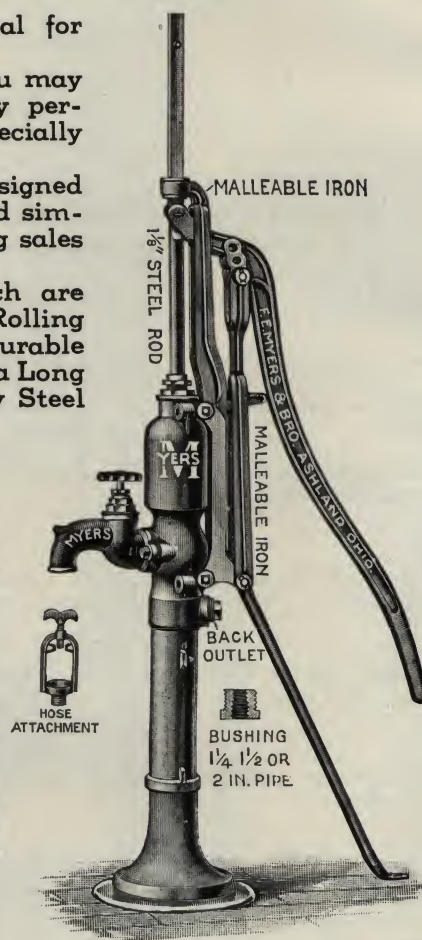
**Handle**—Cog Gear—Patented Rolling Motion increases leverage—one-third, easier to operate. Plain Handle—Has adjustable stroke.

**Stroke**—Cog Gear—7" for Hand. 10" for Windmill or Pump Jack. Plain Handle—6", 8" or 10" for Hand, Windmill or Pump Jack.

**Head & Fulcrum**—Malleable Iron—No breakage. Entire Head held to body by two Bolts. Handle may be located either to left or right or directly behind Spout. The Tubular Steel Brace directly under the Handle, combined with the Long Head and Fulcrum, carries the strain of pumping on the Platform.

**Main Body**—Full weight with 12" Flanged Circular Base permits 8" O. D. Pipe or Well Casing to extend up 1" or more above Platform to provide sanitary installation. Large Air Chamber provides smooth flow of water.

Fig. 1395



**Piston Rod**—1 1/8" or 1 3/8" Polished Steel. The 1 1/8" Piston Rod is forged onto a 1/2" x 1" Windmill Bar to form a strong One-Piece Assembly.

The 1 3/8" Piston Rod is recommended for unusually cold territory. It is attached to the 1/2" x 1" Windmill Bar with a heavy Steel Coupling. Packing Nut may be removed over upper end of Piston Rod.

All Stands fitted with Fig. 2907 Combination Rod Coupling to use either 3/8" or 1/2" Rod or 3/8" Pipe.

**Stuffing Box**—Oversize packing space 2 1/4" deep and fitted with heavy Brass Packing Nut.

**Well Pipe Connection**—Body of Stand is tapped below Spout Level for 2" Pipe and Combination Bushing for 1 1/4" and 1 1/2" Pipe is furnished with all Stands.

**Spout**—Compression Cock Spout and Plain Spout available—Interchangeable.

**Back Outlet**—Main Body is tapped for 1 1/2" Pipe to permit forcing water to stock watering troughs, etc.

**Extras**—Brass Covered Piston Rod—Adds to Price

..... (ZENA) .... \$2.00

Malleable Handle, instead of Cast Iron—Adds to Price \$.35

When used with 4" Cylinder specify large Spout No. 2100.

Plunger Tube instead of Stuffing Box, See Page 41.

Catalog Number	Handle	Stroke		Piston Rod	Force or Lift	Spout	Weight Pounds	Code	Price
		Hand	W.M.						
R94 1/2	Cog Gear	7"	10"	1 1/8"	Force	Cock	74	EDABI	\$15.50
R94	Cog Gear	7"	10"	1 1/8"	Force	Plain	74	EDADE	13.75
R82 1/2	Cog Gear	7"	10"	1 3/8"	Force	Cock	74	EDLER	15.00
R82	Cog Gear	7"	10"	1 3/8"	Force	Plain	74	EDLOW	13.25
94 1/2	Plain	6"-8"-10"	6"-8"-10"	1 1/8"	Force	Cock	70	EDBEB	15.50
94	Plain	6"-8"-10"	6"-8"-10"	1 1/8"	Force	Plain	70	EDBIT	13.75
82 1/2	Plain	6"-8"-10"	6"-8"-10"	1 3/8"	Force	Cock	70	EDLUK	15.00
82	Plain	6"-8"-10"	6"-8"-10"	1 3/8"	Force	Plain	70	EDMAY	13.25

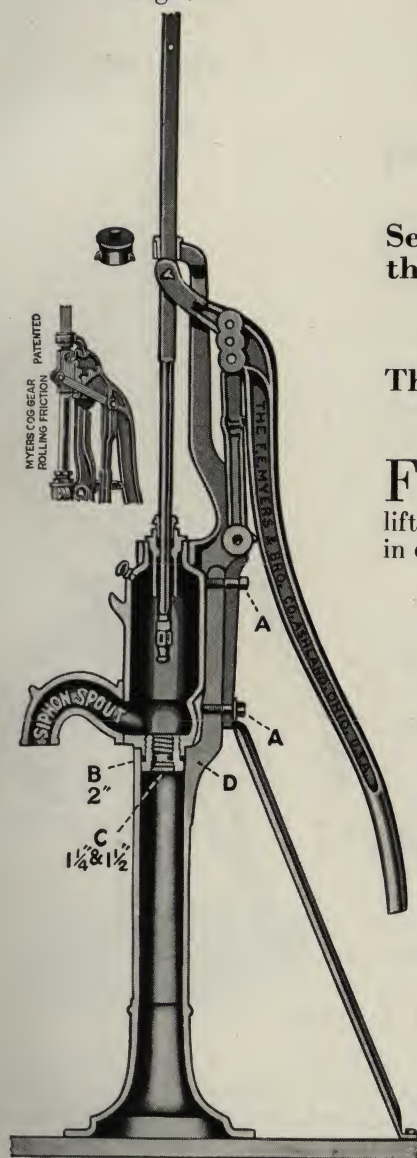
REPAIRS: See Pages 81 to 84, No. R40 Repair Catalog





# THE MYERS TUBULAR WELL STAND

Fig. 905



PATENTED

## Cog Gear or Plain Handle

Tapped for 1 1/4, 1 1/2 and 2 Inch Pipe

Sectional View, Showing the Construction of the Tubular Well Stand Force or Lift

The Brace Is Always Under the Handle

FIG. 905 illustrates our Tubular Well Stand, either force or lift, cut in half, showing all parts in detail.

One Piece Heavy Cast Iron Head or Top is used on all Myers Stands, Force or Lift, Cog Gear or Plain Handle. A Great Saving in Repair Parts to Be Carried in Stock.

All Myers Stands are constructed on the same lines. The reservoir head, which also serves as an air chamber, is fitted with siphon spout, which throws a continuous stream. This head is tapped for a 2 inch pipe, as indicated at Letter B. Into this head is screwed the reducer casting marked D. The inside of D is tapped for 1 1/4 and 1 1/2 inch pipe, as indicated at C.

When using the pump stand for 1 1/4 and 1 1/2 inch pipe, it remains as shown. If it is desired to use 2 inch pipe, remove the casting D, which makes a tubular well stand through which a 2 inch plunger can be withdrawn.

Instead of the old style set screws at top of stand, two 1/2 inch cap screws marked A are used. They pass through the pump head and engage with the pump stand proper, thus making a strong and desirable job.

Has 1 3/16 inch piston rod, forged to flat steel bar. No joints to loosen. Has 6, 8 and 10 inch adjustable stroke, and heavy steel pins.

This illustration represents the force stand. The lift stand is the same in every respect with the exception that instead of the stuffing box a close fitting cap is used, and on the lift stand the reducer casting D is much longer than shown in cut. This long casting is used only on lift pump.

All the desirable features found in other Stands are embodied in the Myers Tubular Well Stand.

Fig. 1

Shows the pipe and rod held 38'' above the platform by means of an ordinary pipe vise or pipe wrench. The first operation in attaching Myers Pump Stand.

## Installation

Fig. 1



Fig. 2

The second operation consists of placing the base of the pump stand over the pipe.

Fig. 2

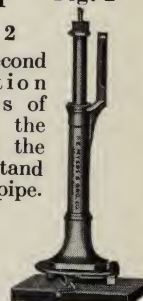


Fig. 3



Fig. 4

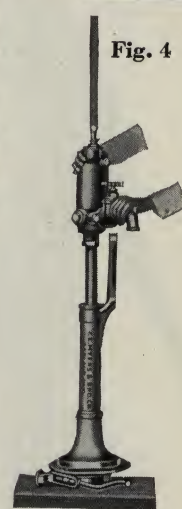


Fig. 3—The third operation shows the manner in which the pump rod is connected together, by using a pipe wrench to hold the rod and an ordinary monkey wrench on the windmill bar.

Fig. 4—The fourth operation shows the manner in which the pump spout head is screwed fast to the pipe, after which the clamp on the pipe at the platform is removed, which allows the jug or spout head to drop into place.

Fig. 5



Fig. 5 — Shows the Spout Head and Stand ready for attaching the Fulcrum Head and Handle.

Fig. 6

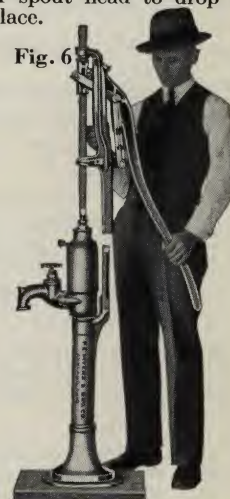


Fig. 6 — The Sixth operation consists of placing the handle fulcrum over the windmill bar and into position ready for the cap screws, completing the job.



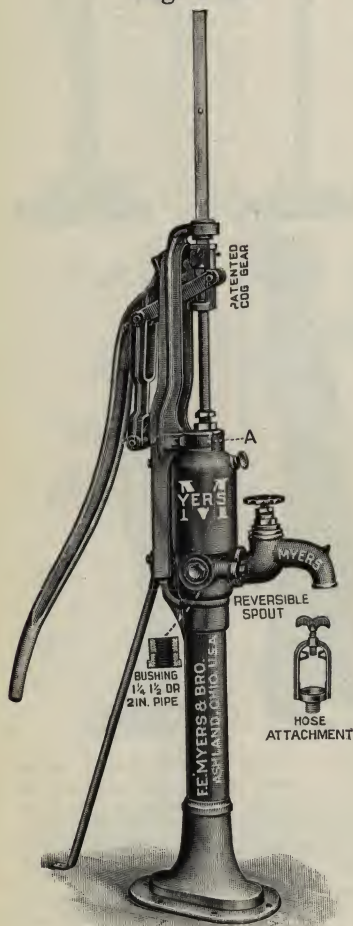


# THE MYERS PUMP STAND

*With Cog Gear or Plain Handle*

PATENTED

Fig. 1749



One Piece Head for All Stands, Lift  
or Force, Cog Gear or  
Plain Handle

Cog Gear Handle 7 Inch Stroke for Hand,  
10 Inch Stroke for Windmill

Plain Handle 6, 8 and 10 Inch Stroke



Tapped for 2 Inch Pipe and Bushed for 1 1/2  
and 1 1/4 Inch Pipe

Fitted with Fig. 2907, Steel Rod Coupling,  
5/8" x 3/8" and 7/16" Rod x 3/8" Pipe

*Cog Gear for Easy Operation*

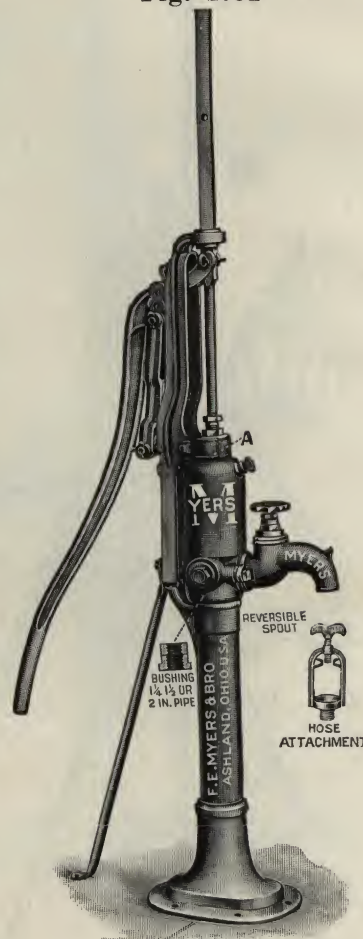
**T**HE Myers Improved Deep Well Stands embody more practical features than any other similar stands on the market. See full description under Fig. 905.

Our own patented design, all set screws, hook bolts, etc., have been eliminated. The pump head proper is attached to the body by means of two heavy cap

screws. The head is further attached to the air chamber by means of a clamp as shown at (A). Note that this clamp is formed by a bolt passing entirely through the pump head, making a construction that is practically unbreakable. Back outlet, 1 1/2 inch.

The brace is always under the handle.

Fig. 1751



## PRICE LIST, Represented by Figs. 1749 and 1751

		Price
No. R117, Myers Cog Gear Force Stand with Cock Spout, Fig. 1749. Wt. 80 Lbs.....	EDDUS	\$15.00
No. R116, Myers Cog Gear Force Stand with Plain Spout. Wt. 78 Lbs. ....	EDEBE	13.25
No. R112, Myers Cog Gear Lift Stand, similar to Fig. 1749. Wt. 81 Lbs.....	EDEDA	11.75
6, 8 and 10 Inch Adjustable Stroke		
No. 117, Myers Force Stand with Cock Spout, Fig. 1751. Wt. 80 Lbs.....	EDEGU	15.00
No. 116, Myers Force Stand with Plain Spout. Wt. 78 Lbs. ....	EDEJO	13.25
No. 112, Myers Lift Stand, similar to Fig. 1751. Wt. 78 Lbs.....	EDELK	11.75
For Brass Covered Rod on any of the above Force Pumps, add to the Price.....	ZENA	2.00
If wanted for use with 4 inch Cylinder, specify Large Spout No. 2100 on plain spout Force Stands.		
If wanted for use with 4 inch Cylinder, specify Reservoir Head Repair 1227 on Lift Stands.		
Any of the above Force Stands can be furnished with Plunger Tube instead of Stuffing Box, See Page 41.		

REPAIRS: See Pages 81 to 84, No. R40 Repair Catalog



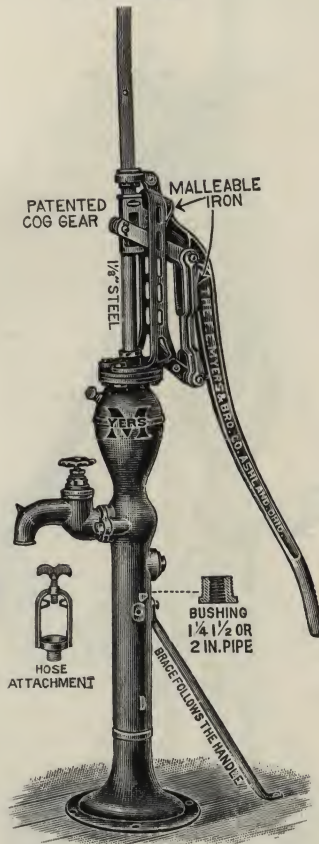


# THE MYERS SIMPLEX PUMP STAND

With Malleable Iron Head and Fulcrum  
Will Not Break

*Cog Gear or Plain Handle*

Fig. 2244



THE Myers Simplex Pump Stand has Malleable Head and Fulcrum. The Malleable Flanged Head is accurately machined and held with three heavy bolts. The head is drilled to permit the handle being located at any angle desired. The Flange carries the Stuffing Box. The Packing Nut is extra heavy. Piston Rod is forged to Windmill Bar. (No joints to wear or give trouble). The Spout, bolted on, can be instantly changed from Plain to Cock Spout.

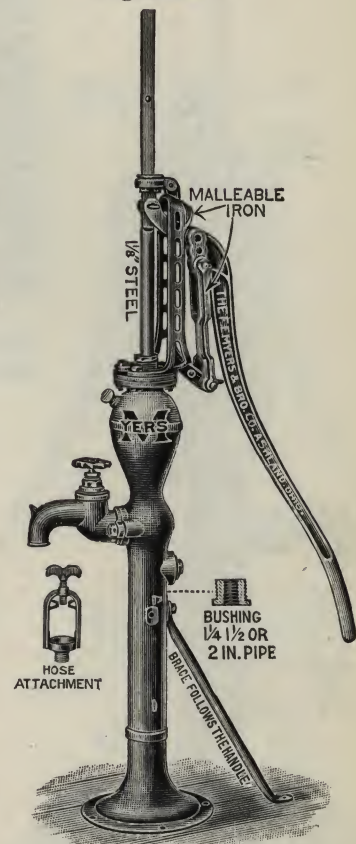


Cog Gear Handle, 7 Inch Stroke for Hand, 10 Inch Stroke for Windmill. Plain Handle Pump, 6, 8 and 10 Inch Stroke. Tapped for 2 Inch Pipe and Bushed for 1½ and 1¼ Inch Pipe. Fitted with Fig. 2907, Steel Rod Coupling, 5/8 x 3/8 and 7/16 Rod x 3/8 Pipe.

One Head for All Stands, Lift or Force,  
Cog Gear or Plain Handle

The Brace Follows the Handle and Is Always  
a Support. Cog Gear for Easy Operation

Fig. 2246



## PRICE LIST, Represented by Figs. 2244 and 2246

		Price
No. R517½,	Simplex Cog Gear Force Stand with 1½" Forged Steel Rod and Cock Spout, Fig. 2244. Wt. 69 Lbs. ....	EDFIP \$14.00
No. R517,	Simplex Cog Gear Force Stand with 1½" Forged Steel Rod and Plain Spout. Wt. 67 Lbs. ....	EDFEX 12.25
No. R512,	Simplex Cog Gear Lift Stand, similar to Fig. 2244. Wt. 64 Lbs. ....	EDKIK 10.75
No. R518½,	Same as No. R517½ except with 13/16" Jointed Steel Rod. Wt. 68 Lbs. ....	EDMOV 13.50
No. R518,	Same as No. R517 except with 13/16" Jointed Steel Rod. Wt. 66 Lbs. ....	EDMUJ 11.75
<b>PLAIN HANDLE, 6, 8 AND 10 INCH ADJUSTABLE STROKE</b>		
No. 517½,	Simplex Force Stand with 1½" Forged Steel Rod and Cock Spout, Fig. 2246. Wt. 67 Lbs. ....	EDGEW 14.00
No. 517,	Simplex Force Stand with 1½" Forged Steel Rod and Plain Spout. Wt. 65 Lbs. ....	EDFOC 12.25
No. 512,	Simplex Lift Stand, similar to Fig. 2246. Wt. 60 Lbs. ....	EDKOX 10.75
No. 518½,	Same as No. 517½ except with 13/16" Jointed Steel Rod. Wt. 66 Lbs. ....	EDNAX 13.50
No. 518,	Same as No. 517 except with 13/16" Jointed Steel Rod. Wt. 64 Lbs. ....	EDNEP 11.75
	If wanted with Malleable Handle, add to Price .....	.35
<b>PLAIN HANDLE, WINDMILL HEAD, 6 INCH STROKE, NOT ILLUSTRATED</b>		
No. 514½,	Simplex Force Stand with 1½" Forged Steel Rod and Cock Spout. Wt. 61 Lbs. ....	EDFAF 13.75
No. 514,	Simplex Force Stand with 1½" Forged Steel Rod and Plain Spout. Wt. 60 Lbs. ....	EDAWN 12.00
No. 522½,	Same as No. 514½ except with 13/16" Jointed Steel Rod. Wt. 60 Lbs. ....	EDOBU 13.25
No. 522,	Same as No. 514 except with 13/16" Jointed Steel Rod. Wt. 59 Lbs. ....	EDOCs 11.50
No. 513A,	Simplex Lift Stand, Wt. 58 Lbs. ....	EDOJE 10.50
	For Brass Covered Rod on above Force Stands, add to the Price .....	ZENA 2.00

If wanted for use with 4 inch cylinder, specify Large Spout No. 2100 on plain spout Force Stands.

Any of above Force Stands can be furnished with Plunger Tube instead of Stuffing box, see Page 41.

REPAIRS: See Pages 87 and 88, No. R40 Repair Catalog





# MYERS SIMPLEX FORCE STAND

## For Shallow or Deep Wells

Fig. 3196

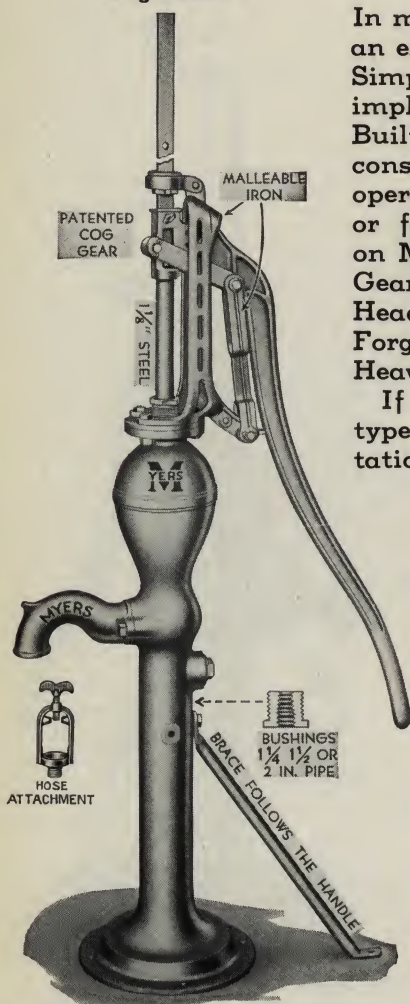
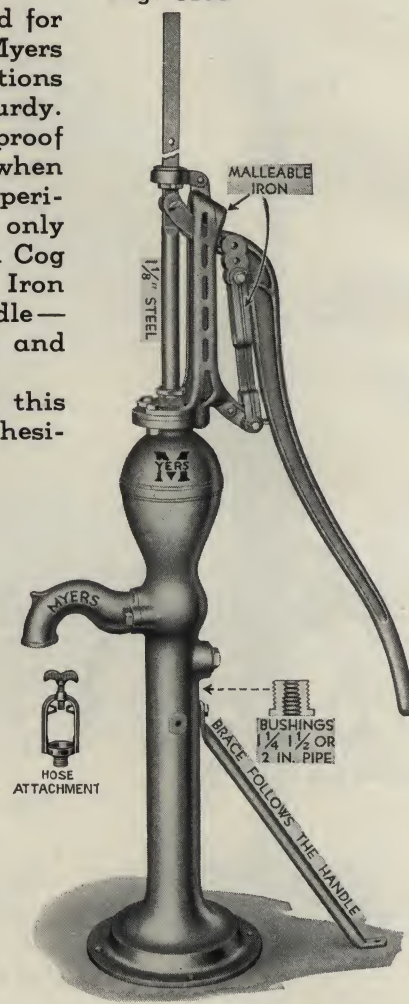


Fig. 3193



In many places there is a growing demand for an extra heavy duty Pump Stand. The Myers Simplex meets this demand. As the illustrations imply these Stands are very rugged and sturdy. Built for heavy duty service with a strain-proof construction providing dependable service when operated by Windmill, Jack or Hand. Its superior features, many of which are found only on Myers Stands, include Rolling Motion Cog Gear Handle—Strong, Durable Malleable Iron Head and Fulcrum—Extra Long Handle—Forged Piston Rod and Windmill Bar and Heavy Steel Brace below Handle.

If your customers demand a Stand of this type we urge you to recommend it without hesitation.

### SPECIFICATIONS

**Handle**—Plain or Cog Gear. Patented Rolling Motion Cog Gear Handle increases leverage one-third—less effort to operate.

**Stroke**—Cog Gear Handle—7" for Hand operation—10" for Windmill or Pump Jack operation. Plain Handle—Adjustable 6", 8" or 10" for Hand, Windmill or Pump Jack operation.

**Head & Fulcrum**—Malleable Iron to reduce hazards of accidental breakage. Entire Head, Fulcrum and Handle assembly demountable from Body by removal of three Bolts, permitting location of Handle either to right or left or directly behind the spout. The Tubular Steel Brace follows the Handle placing the strain of pumping on the platform. Especially desirable for Windmill and Pump Jack operation.

**Main Body**—Extra heavy weight with 12" Flanged Circular Base permitting 8" O. D. Pipe or smaller Well Casing to extend up 1" or more above platform to provide sanitary installation. Extra large Air Chamber above spout level provides smooth flow of water.

**Piston Rod**—1 1/8" Polished Steel forged onto a 1/2" x 1" Windmill Bar to form a strong One-Piece Assembly. All Stands fitted with Fig. 2907 Combination Rod Coupling to use either 3/8" or 7/16" Rod or 3/8" Pipe for Sucker Rod.

**Stuffing Box**—Oversize packing space, fitted with heavy Brass Packing Nut.

**Well Pipe Connection**—Body of Stand is tapped below

spout level for 2" Pipe and Combination Bushing for 1 1/4" and 1 1/2" Pipe—is furnished with all Stands.

**Spout**—Compression Cock Spout and Plain Spout available. Attached with two heavy Cap Screws to Main Body—replaceable.

**Back Outlet**—Main Body is tapped for 1 1/2" Pipe to permit forcing water in any direction to stock watering troughs, etc.

**Extras**—Malleable Handle—Adds to Price .....\$ .35

Brass Covered Piston Rod—Adds to Price. . (ZENA)\$ 2.00

For use with 4" Cylinder specify large Spout No. 2100.

Plunger Tube instead of Stuffing Box, See Page 41.

Catalog Number	Handle	Stroke		Piston Rod	Force or Lift	Spout	Weight Pounds	Code	Price
		Hand	W.M.						
R1517	Cog Gear	7"	10" Max.	1 1/8"	Force	Plain	75	EDRID	\$12.75
R1517 1/2	Cog Gear	7"	10" Max.	1 1/8"	Force	Cock	77	EDRUE	14.50
1517	Plain	6-8-10"	10" Max.	1 1/8"	Force	Plain	73	EDPEN	12.75
1517 1/2	Plain	6-8-10"	10" Max.	1 1/8"	Force	Cock	75	EDPIF	14.50

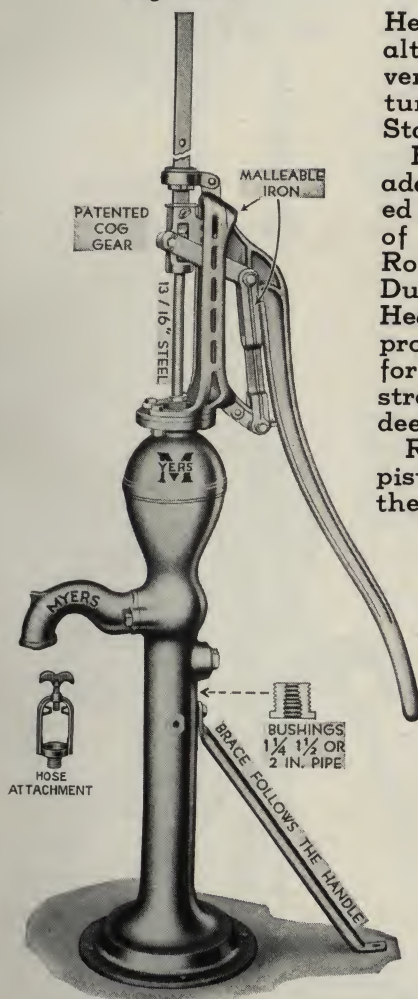
REPAIRS: See Pages 87 and 88, No. R40 Repair Catalog





# MYERS SIMPLEX FORCE STAND

Fig. 3197



## For Shallow or Deep Wells

Here is an extra heavy duty Pump Stand, which although designed and engineered along conventional lines, has all of the outstanding features responsible for the popularity Myers Stands have enjoyed for over seventy years.

Being unusually strong and sturdy it is ideally adapted for heavy work—especially recommended for Windmill or Pump Jack operation. Some of its many superior features are—Patented Rolling Motion Cog Gear Handle—Strong, Durable Malleable Iron Head and Fulcrum—Heavy Steel Brace—and extra large Air Chamber providing smooth flow of water. It is qualified for any type of well but owing to its great strength is especially adapted for extremely deep wells.

Recommended for cold climates as the  $\frac{13}{16}$ " piston rod can easily be cleared of ice below the stuffing nut.

### SPECIFICATIONS

**Handle**—Plain or Cog Gear. Patented Rolling Motion Cog Gear Handle increases leverage one-third—less effort to operate.

**Stroke**—Cog Gear Handle—7" for Hand operation—10" for Windmill or Pump Jack operation. Plain Handle—Adjustable 6", 8" or 10" for Hand, Windmill or Pump Jack operation.

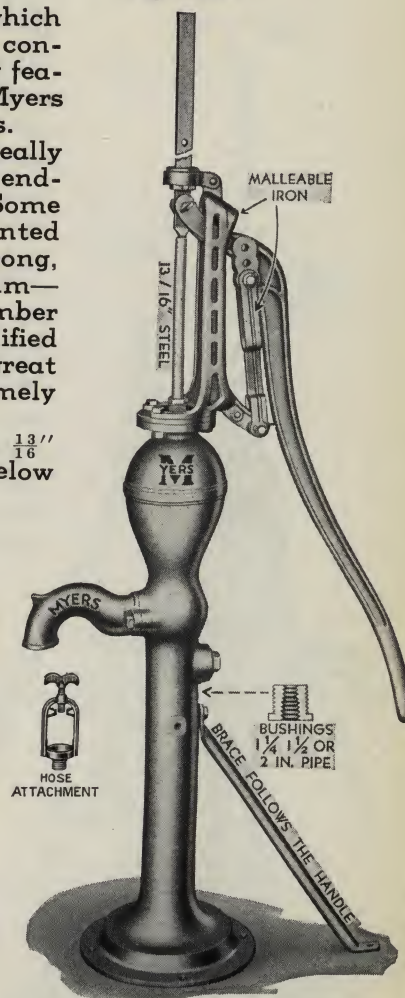
**Head & Fulcrum**—Malleable Iron to reduce hazards of accidental breakage. Entire Head, Fulcrum and Handle assembly demountable from Body by removal of three Bolts, permitting location of Handle either to right or left or directly behind spout. The Tubular demountable Steel Brace follows the Handle placing the strain of pumping on the platform. Especially desirable for Windmill or Jack operation.

**Main Body**—Extra heavy weight with 12" Flanged Circular Base which permits 8" O. D. Pipe or smaller Well Casing to extend up 1" or more above platform to provide sanitary installation. Large Air Chamber above spout level provides smooth flow of water.

**Piston Rod**— $\frac{13}{16}$ " Polished Steel. Recommended for cold climates, can easily be cleared of ice below the Stuffing Nut. It is attached to the  $\frac{1}{2}$ " x 1" Windmill Bar with a heavy Steel Coupling to permit removal of Packing Nut over upper end of Piston Rod. All Stands fitted with Fig. 2907 Combination Rod Coupling to use either  $\frac{3}{8}$ " or  $\frac{7}{16}$ " Rod or  $\frac{3}{8}$ " Pipe for Sucker Rod.

**Stuffing Box**—Oversize packing space, fitted with heavy Brass Packing Nut.

Fig. 3194



**Well Pipe Connection**—Body of Stand is tapped below spout level for 2" Pipe and Combination Bushing for  $1\frac{1}{4}$ " and  $1\frac{1}{2}$ " Pipe—is furnished with all Stands.

**Spout**—Compression Cock Spout and Plain Spout available. Attached with two heavy Cap Screws to Main Body—replaceable.

**Back Outlet**—Main Body is tapped for  $1\frac{1}{2}$ " Pipe to permit forcing water in any direction to stock watering troughs, etc.

**Extras**—Malleable Handle—Adds to Price.....\$ .35  
Brass Covered Piston Rod—Adds to Price. (ZENA)\$ 2.00

For use with 4" Cylinder specify large Spout No. 2100.  
Plunger Tube instead of Stuffing Box, See Page 41.

Catalog Number	Handle	Stroke		Piston Rod	Force or Lift	Spout	Weight Pounds	Code	Price
		Hand	W.M.						
R1518	Cog Gear	7"	10" Max.	$\frac{13}{16}$ "	Force	Plain	74	EDSHE	\$12.25
R1518 $\frac{1}{2}$	Cog Gear	7"	10" Max.	$\frac{13}{16}$ "	Force	Cock	76	EDSKY	14.00
1518	Plain	6-8-10"	10" Max.	$\frac{13}{16}$ "	Force	Plain	72	EDPOS	12.25
1518 $\frac{1}{2}$	Plain	6-8-10"	10" Max.	$\frac{13}{16}$ "	Force	Cock	74	EDPUG	14.00

REPAIRS: See Pages 87 and 88, No. R40 Repair Catalog

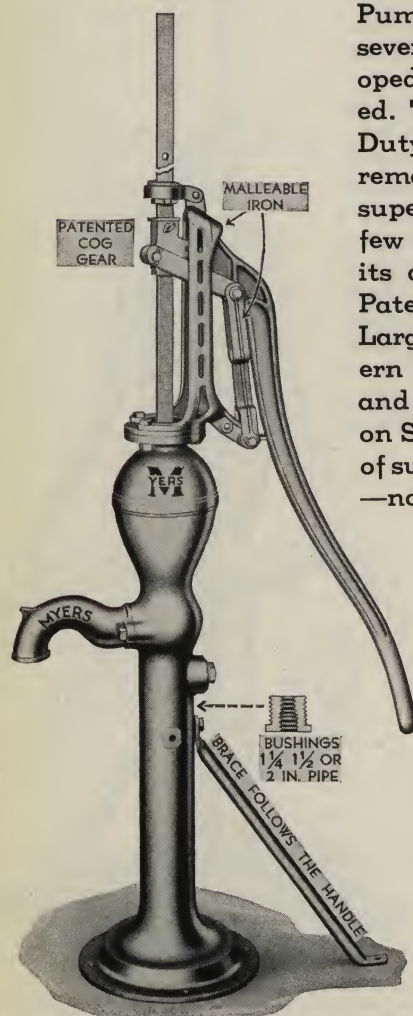




# THE MYERS SIMPLEX LIFT STAND

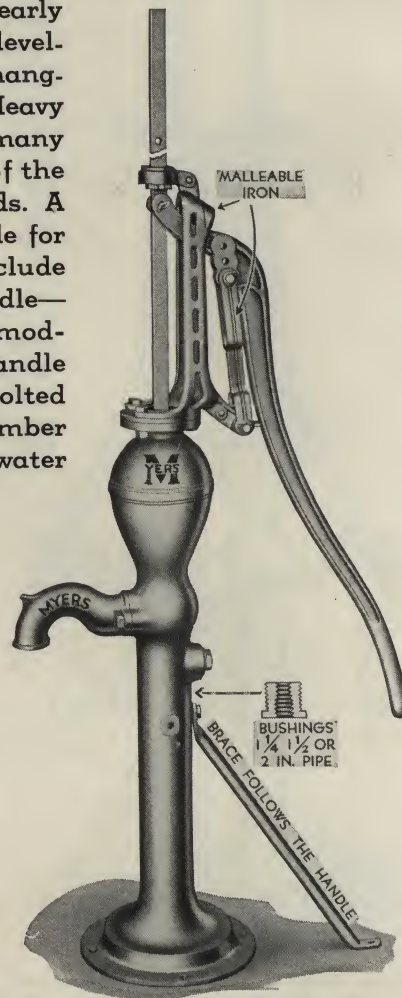
## For Shallow or Deep Wells

Fig. 3198



So "right" was the design of the first Myers Pump Stand, designed and patented nearly seventy years ago, that every Myers Stand developed since then has been basically unchanged. This is especially true in the Myers Heavy Duty Simplex Lift Stand which contains many remarkable improvements yet retains all of the superior features of other Myers Stands. A few of the outstanding features responsible for its amazing strength and simplicity include Patented Rolling Motion Cog Gear Handle—Large Heavy 12" Circular Base permitting modern sanitary installation—extra Long Handle and Heavy Tubular Steel Brace—Large bolted on Spout, 22" above platform and Air Chamber of sufficient size to provide smooth flow of water—no splashing.

Fig. 3195



### SPECIFICATIONS

**Handle**—Cog Gear—Patented Rolling Motion, increases leverage one-third—less effort to operate.  
Plain Handle—Has adjustable stroke.

**Stroke**—Cog Gear—7" for Hand operation—10" for Windmill or Pump Jack operation. Plain Handle—Adjustable 6", 8" or 10" for Hand, Windmill or Pump Jack operation.

**Head & Fulcrum**—Malleable Iron to reduce hazards of accidental breakage. Entire Head, Fulcrum and Handle Assembly demountable from Body by removal of three Bolts, permitting location of Handle either to right or left or directly behind spout. The Tubular Steel Brace follows the Handle placing much of the strain of pumping on the platform.

**Main Body**—Extra heavy weight with 12" Flanged Circular Base drilled for fastening down to platform, permits 8" O. D. Pipe or smaller Well Casing to extend 1" or more above platform to provide sanitary installation. Large Air Chamber provides smooth flow of water.

**Piston Rod**— $\frac{1}{2}$ " x 1" Steel Bar threaded for  $\frac{5}{8}$ " Rod.  
All Stands fitted with Fig. 2907 Combination Rod Coupling to use either  $\frac{3}{8}$ " or  $\frac{7}{16}$ " Rod or  $\frac{3}{8}$ " Pipe for Sucker Rod.

**Well Pipe Connection**—Body of Stand is tapped below spout level for 2" Pipe and Combination Bushing for  $1\frac{1}{4}$ " and  $1\frac{1}{2}$ " Pipe is furnished with all Stands.

**Spout**—Plain, attached with two heavy Cap Screws to Main Body—replaceable.

**Extras**—Malleable Handle, instead of Cast Iron—  
Adds to Price ..... \$ .35  
For use with 4" Cylinder specify large Spout No. 2100.

Catalog Number	Handle	Stroke		Force or Lift	Spout	Weight Pounds	Code	Price
		Hand	W.M.					
R1512	Cog Gear	7"	10" Max.	Lift	Plain	72	EDSAS	\$11.25
1512	Plain	6-8-10"	10" Max.	Lift	Plain	68	EDOLA	11.25

REPAIRS: See Pages 87 and 88, No. R40 Repair Catalog

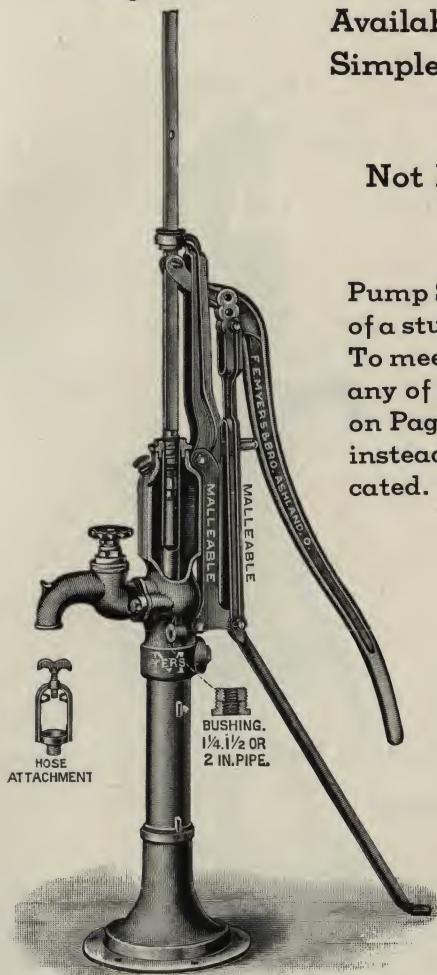




# MYERS PUMP STANDS

*Fitted With Brass Plunger Tube*

Fig. 1670



Available as an extra for Myers Defiance, Simplex, Direct Line and Tubular Stands

Not Recommended for Cold Climates

Pump Stands fitted with a plunger tube instead of a stuffing box are preferred in some localities. To meet this demand we are prepared to furnish any of the Myers Force Pump Stands appearing on Pages 34, 36, 37, 38 and 39 with Plunger Tube instead of Stuffing Box, unless otherwise indicated.

Fig. 2221



Fig. 1185

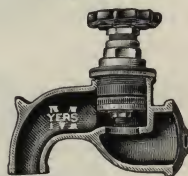
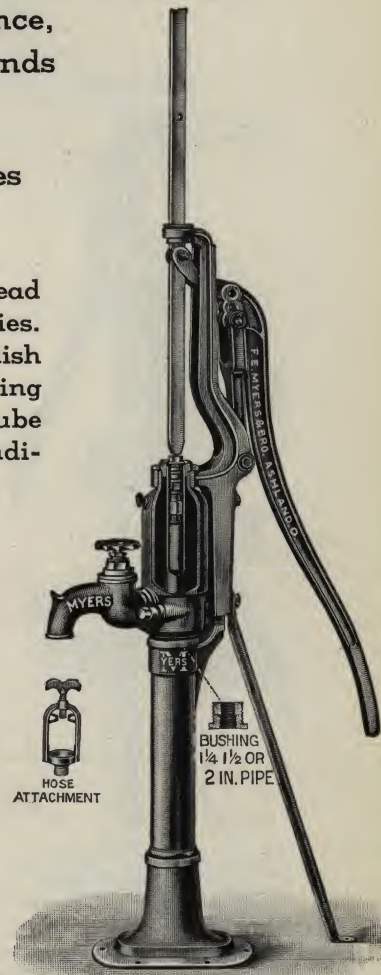


Fig. 1671



$\frac{1}{2} \times \frac{3}{8}$  and  $\frac{7}{16}$  Inch Rod Coupling

Figs. 1670 and 1671 illustrate the Defiance and Myers Tubular types of Well Stands when fitted with brass plunger tube instead of stuffing box. The tube is seamless brass tubing  $1\frac{1}{4}$  inch in diameter with a two-leather plunger, (see Fig. 2221), the leathers of which are inverted, mak-

ing an absolutely water tight packing and preventing any water from escaping through the tube as sometimes occurs when the packing becomes worn in an ordinary stuffing nut type Stand. The two-leather plunger gives perfect alignment to the pump rod, preventing friction.

When any of the Force Stands on Pages 34, 36, 37, 38 or 39 are fitted with plunger tube instead of stuffing box (EDSCO). Add .....\$ .75

**Add the letter P to the Pump Number when ordering Pumps with plunger tube instead of stuffing box.**

REPAIRS: See Pages 81 to 84, No. R40 Repair Catalog



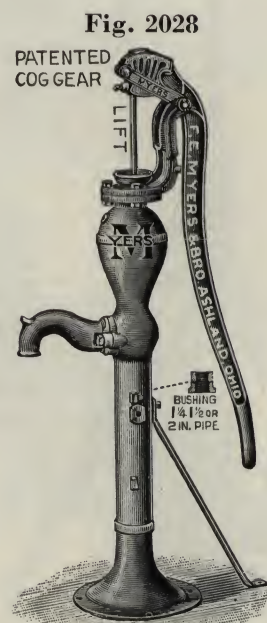
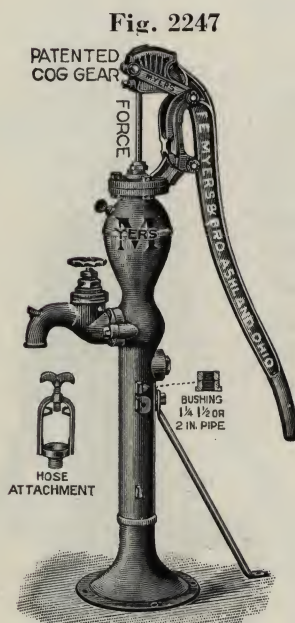


# THE MYERS SIMPLEX COG GEAR PUMP STAND

*With Bolted Flange Head*

Malleable Iron Shield Over Cog Gears

6 Inch Stroke



Tapped for 2 Inch Pipe and Bushed for  $1\frac{1}{2}$  and  $1\frac{1}{4}$  Inch Pipe

Fitted with Fig. 2910, Malleable Rod Coupling

$\frac{5}{8}$  x  $\frac{3}{8}$  and  $\frac{7}{16}$  Rod

**FIGS.** 2247 and 2027 illustrate the Myers Simplex Force Stand with 6 inch Stroke. Has patented Rolling Motion Cog Gear Handle which increases the power  $33\frac{1}{3}\%$ . The Polished Steel Piston Rod is held by Set Screw at top, permitting adjustment in length of Rod.

The Flanged Head is accurately machined and held with three heavy bolts instead of Set Screws as

generally used. The Head is drilled to permit the Handle being located at any angle desired. The body is a one-piece casting tapped below spout for 2 inch Pipe and bushed with Combination Bushing for  $1\frac{1}{2}$  inch and  $1\frac{1}{4}$  inch Pipe. The Spout, bolted on, can be instantly changed from Plain to Cock Spout.

The Brace follows the Handle and is always a support, no difference what the location of Handle may be.

## PRICE LIST, Represented by Figs. 2247, 2027 and 2028

		Price
No. R510 $\frac{1}{2}$ ,	Simplex Cog Gear Force Stand, Fig. 2247, with Cock Spout. Wt. 58 Lbs. ....	EDGOB \$12.25
No. R510,	Simplex Cog Gear Force Stand, Fig. 2027. Wt. 56 Lbs. ....	EDGLI 10.50
No. R511,	Simplex Cog Gear Lift Stand, Fig. 2028. Wt. 54 Lbs. ....	EDJET 9.75

If wanted for use with 4 inch Cylinder, specify Large Spout No. 2100 on Plain Spout Force Stands.

**REPAIRS:** See Pages 85 and 86, No. R40 Repair Catalog





# THE MYERS ECONOMY LIFT STAND

*With Malleable Iron Windmill Head and Fulcrum*

**Light Weight Will Not Break**

**Same Head and Fulcrum Used on No. 517 Series Simplex Stands and Hercules Three-Way Pumps**

Fig. 2249

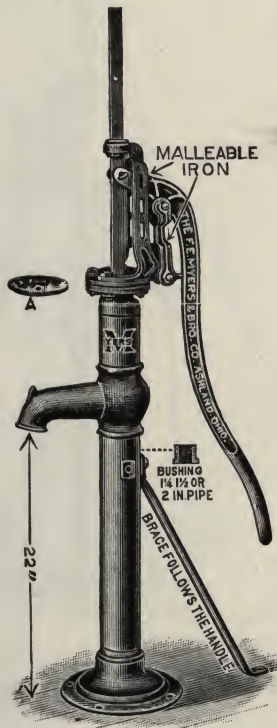


Fig. 2250

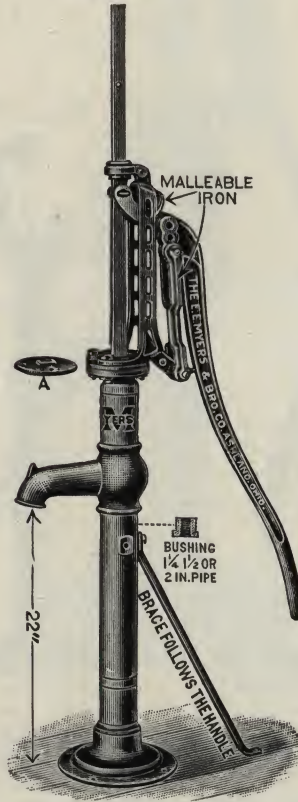
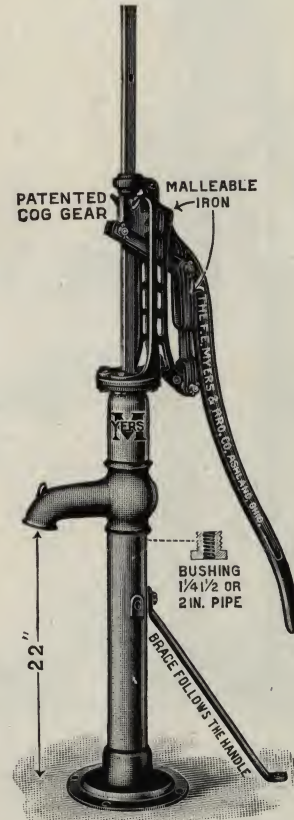


Fig. 2681



The Brace follows the Handle and is always a support, no difference what the location of Handle may be. Tapped for 2 Inch Pipe and Bushed for  $1\frac{1}{2}$  and  $1\frac{1}{4}$  Inch Pipe. Rod Threaded for  $\frac{7}{16}$  Inch Coupling.

THE above illustrations show the Myers Economy Pump Stand with **Malleable Iron Head and Fulcrum**. The flanged head is accurately machined and held with three heavy bolts instead of set screws as generally used. The head is drilled to permit the handle being located at any angle desired. The Piston Rod is a  $\frac{1}{2}$  x 1 inch flat steel bar threaded for  $\frac{7}{16}$  inch

rod. The body is a one-piece casting tapped below spout for 2 inch pipe and bushed with combination bushing for  $1\frac{1}{2}$  inch and  $1\frac{1}{4}$  inch Pipe. The Spout is large size, cast solid with the body, is 22 inches above the floor and will pump direct into an 8 gallon milk can. The Plate (A) forms the lower guide for windmill bar.

## PRICE LIST, Represented by Figs. 2249, 2250 and 2681

For  $1\frac{1}{4}$ ,  $1\frac{1}{2}$  and 2 Inch Pipe

			Price
No. 506,	Economy Stand, Windmill Head, 6 inch Stroke, Fig. 2249.	Wt. 50 Lbs.....	EDHAD \$9.00
No. 507,	Economy Stand, Windmill Head, 6, 8 and 10 inch Stroke, Fig. 2250.	Wt. 56 Lbs. ..	EDHIN 10.00
No. R507,	Economy Stand, Cog Gear Head, Fig. 2681, 7" Stroke for Hand, 10" Stroke for Windmill.	Wt. 57 Lbs. ....	EDJUM 10.00

**REPAIRS:** See Pages 85 and 87, No. R40 Repair Catalog





# MYERS ECONOMY AND JUNIOR ECONOMY LIFT STANDS

*With Bolted Flange Head*

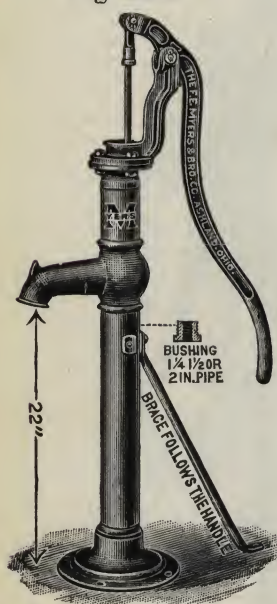
**6 Inch Stroke**

**Malleable Iron Shield Over Cog Gears**

**Fig. 2724**

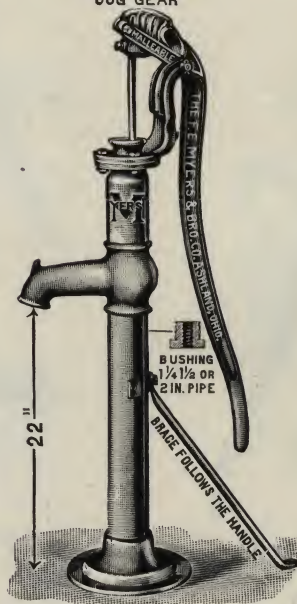
**For Wells Up to 40 Feet  
in Depth**

**Fig. 2248**



**Fig. 2676**

**PATENTED  
COG GEAR**



**Fig. 2723**

**Siphon Spout**



**T**HE illustrations appearing above show the Myers Economy and Junior Economy Pump Stands with Bolted Flange Head, Cog Gear and Plain Handle. The flanged head is accurately machined and held with three heavy bolts. The head is drilled to permit the handle being located at any angle desired.

**The Brace follows the Handle and is always a support, no difference what the location of Handle may be.**

Figs. 2248 and 2676, Myers Economy Pump Stands, have  $\frac{1}{2}$ " Steel Piston Rod, threaded for  $\frac{1}{8}$  inch rod. The body is a one-piece casting tapped below spout for 2 inch pipe and bushed with combination bushing for  $1\frac{1}{2}$  inch and  $1\frac{1}{4}$  inch pipe. The Spout is large size, cast solid with body, is 22 inches above the floor and will pump direct into an eight gallon milk can.

Figs. 2723 and 2724, Myers Junior Economy Pump Stands, have siphon spout cast solid with the body 22 inches above the floor permitting an eight gallon milk can being placed directly under it. The water flows from the spout in a smooth, even

stream, equal to that of any double acting force pump. The body is a one-piece casting tapped below the spout for  $1\frac{1}{4}$  inch pipe. The piston rod is not furnished on the plain head stand.

**NOTE**—The  $\frac{1}{8}$ " Pump Rod is held by set screw. This permits the adjustment of rod and plunger after which the rod can be cut off doing away with the careful fitting of rod before putting pump together.

The base of the stand will fit over a 5" well casing.

## PRICE LIST, Represented by Figs. 2248 and 2676

For  $1\frac{1}{4}$ ,  $1\frac{1}{2}$  and 2 Inch Pipe

No. 519, Economy Stand, Plain Head, Fig. 2248. Wt. 47 Lbs. ....	EDKES	Price \$7.75
No. R519, Economy Stand, Cog Gear Head, Fig. 2676. Wt. 49 Lbs. ....	EDJOY	7.75

## PRICE LIST, Represented by Figs. 2723 and 2724

For  $1\frac{1}{4}$  Inch Pipe

No. 535, Junior Economy Stand, Plain Head, Fig. 2723. Wt. 35 Lbs. ....	EDLAZ	Price \$6.00
No. 536, Junior Economy Stand, 6" Stroke Windmill Head, Fig. 2724. Wt. 43 Lbs. ....	EDKUL	7.00

**REPAIRS:** See Pages 85 and 87, No. R40 Repair Catalog





# THE MYERS DIRECT-LINE AND TUBULAR WELL PUMP STANDS

Has Double Rod Guide  
Stuffing Box or Plunger Tube  
6, 8 and 10 Inch Stroke

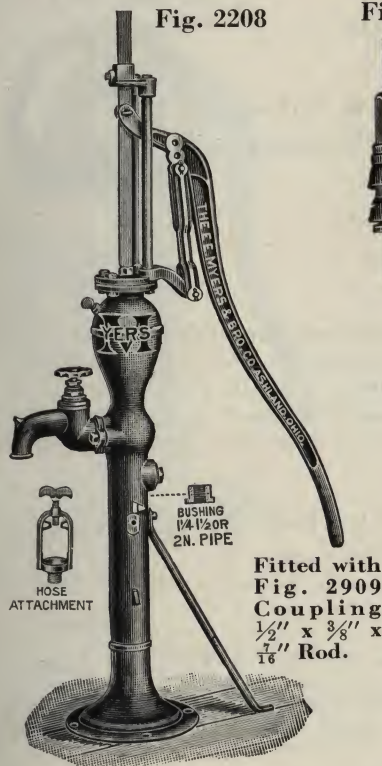


Fig. 2208

Fig. 2221



RUBBER EXPANDER



HOSE ATTACHMENT

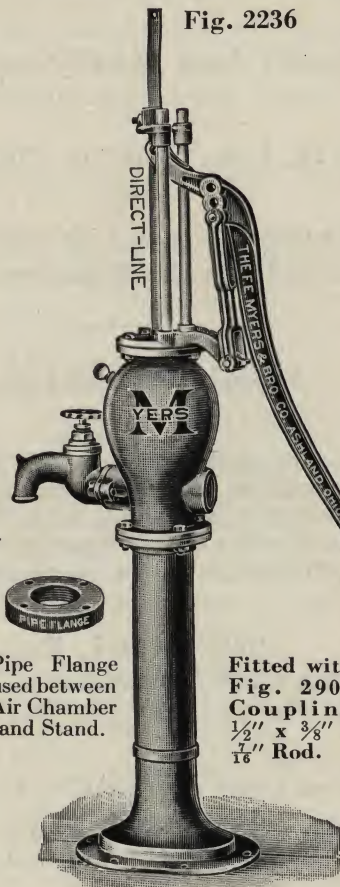
Pipe Flange  
used between  
Air Chamber  
and Stand.

Fig. 2236

Fitted with  
Fig. 2909  
Coupling  
 $\frac{1}{2}$ " x  $\frac{3}{8}$ " x  
 $\frac{7}{16}$ " Rod.

HOSE ATTACHMENT

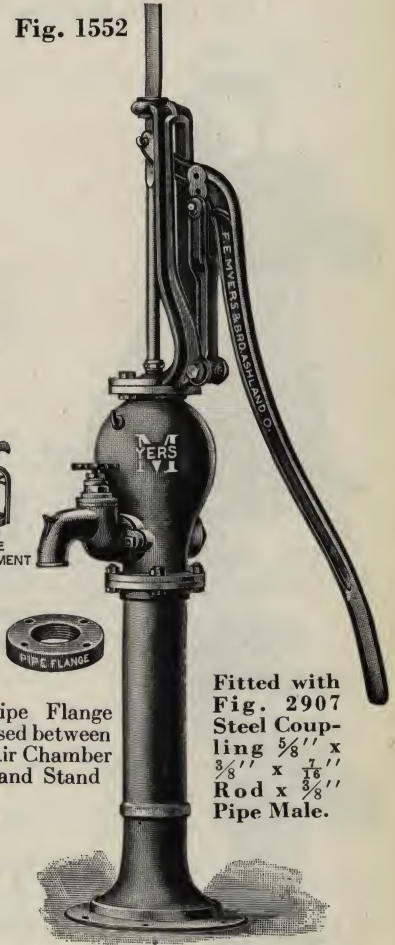
Pipe Flange  
used between  
Air Chamber  
and Stand

Fig. 1552

Fitted with  
Fig. 2907  
Steel Coupling  
 $\frac{5}{8}$ " x  
 $\frac{3}{8}$ " x  $\frac{7}{16}$ "  
Rod x  $\frac{3}{8}$ "  
Pipe Male.

FIG. 2208 illustrates the Myers Direct-Line Pump Stand. The Flanged Head is accurately machined and held with three heavy bolts. The Stand Head is drilled to permit the Handle being located at any angle desired. Has large Stuffing Box. The Piston is also made with Double Cup Leathers and Expanding Rubber Disc, Fig. 2221, operating in a  $1\frac{1}{4}$  inch Brass Tube. The Stand proper is tapped below spout for 2 inch Pipe and bushed for  $1\frac{1}{2}$  inch and  $1\frac{1}{4}$  inch Pipe.

Fig. 2236 is an extra heavy stand tapped for 3 inch pipe. It is our regular Fig. 1552 Stand fitted with Direct-Line Head.

FIG. 1552 represents the Myers Tubular Well Stand as built for extremely heavy work and especially adapted for long stroke windmills. The pump is constructed with flange joint below and above the spout. These joints are bolted which permits the spout or handle being set in several positions. The piston rod is forged onto the flat windmill bar, doing away with unnecessary joints. The Pump head is tapped for 3 inch pipe and so arranged that the plunger can be withdrawn through the top of the pump without disarranging any of the parts. The back outlet is tapped for 2 inch pipe. Is built with either plain or cock spout.

## PRICE LIST, Represented by Figs. 2208, 2236 and 1552

Pump No.	Back Outlet Inches	Piston Rod	Plunger Tube	Spout	Pipe Inches	Bushed	Weight Pounds	Code	Price
520	$1\frac{1}{2}$	$1\frac{1}{8}$ "		Fig. 2208 Plain	2	$1\frac{1}{4}$ - $1\frac{1}{2}$	70	EDIFS	\$14.25
520 $\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{8}$ "		Cock	2	$1\frac{1}{4}$ - $1\frac{1}{2}$	72	EDIHO	16.00
520P	$1\frac{1}{2}$		$1\frac{1}{4}$ "	Plain	2	$1\frac{1}{4}$ - $1\frac{1}{2}$	70	EDIKI	15.00
520 $\frac{1}{2}$ P	$1\frac{1}{2}$		$1\frac{1}{4}$ "	Cock	2	$1\frac{1}{4}$ - $1\frac{1}{2}$	72	EDILG	16.75
523	2	$1\frac{1}{8}$ "		Fig. 2236 Plain	3		99	EDIME	20.50
523 $\frac{1}{2}$	2	$1\frac{1}{8}$ "		Cock	3		101	EDINB	22.25
523P	2		$1\frac{1}{4}$ "	Plain	3		103	EDIRT	21.25
523 $\frac{1}{2}$ P	2		$1\frac{1}{4}$ "	Cock	3		103	EDJAB	23.00
95	2	$\frac{13}{16}$ "		Fig. 1552 Plain	3		100	EDIBA	19.50
95 $\frac{1}{2}$	2	$\frac{13}{16}$ "		Cock	3		102	EDICY	21.25

For use with 4 inch cylinder, specify Large Spout No. 2100 on Plain Spout Stands.

For Brass Covered Piston Rod on Stands equipped with Stuffing Box, add to Price . . . . . ZENA

\$ 2.00

REPAIRS: See Pages 82-84, 89-90, No. R40 Repair Catalog





# THE MYERS BRASS CYLINDER PITCHER PUMP

For Use in Raising Water Not Exceeding 25 Feet Vertical Lift to Low Water Level

Fig. 788



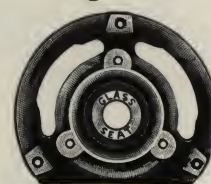
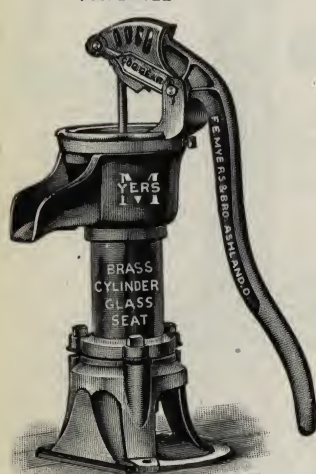
*Malleable Iron Shield Over Cog Gears*

With Cog Gear or Plain Handle

With Patented Glass Valve Seat, Check Valve Arranged to Drop the Water to Prevent Freezing

Aluminum and Gold Finish

Fig. 1072

Fig. 1665  
PATENTED

THE ordinary pitcher pump is poorly constructed and the price has become so demoralized that dealers prefer not to handle it; therefore, we offer the following: Fig. 788 illustrates our Brass Body Pitcher Pump, which is built in a strictly first class manner, with seamless drawn brass cylinder, glass seat, rubber fibre check and revolving top. The base is attached to the cylinder by means of three heavy bolts.

## PRICE LIST, Represented by Fig. 788

No.	Description	Price
No. 220,	3 inch Brass Cylinder Pitcher Pump, with glass valve seat, 1 1/4 inch pipe. Height 20". Wt. 20 Lbs. ....GIBCO	\$ 6.75

## The Myers Long Stroke Cog Gear Brass Cylinder Pitcher Pump

THIS pump is the same in every particular as the regular Myers Brass Cylinder Pitcher Pump, with the exception that it is fitted with the cog gear handle, which makes it easier to operate.

## PRICE LIST, Represented by Fig. 1665

No.	Description	Price
No. R220,	3 inch Brass Cylinder Cog Gear Pitcher Pump, with glass valve seat, 1 1/4 inch pipe. Height 20". Wt. 22 Lbs. ....GIBAS	\$ 7.00

Fig. 1746  
PATENTED  
COG GEAR

# THE MYERS COG GEAR HOUSE LIFT PUMP

With Siphon Spout

PATENTED  
COG GEAR

## PRICE LIST, Lift Pump, Fig. 1746

No.	Description	Price
No. R245,	House Lift Pump with 3 inch brass cylinder, glass valve seat, patent drop valve, 1 1/4 inch pipe. Height 25 1/2". Wt. 29 Lbs. ....GICAR	\$ 8.25
No. R246 1/2,	House Lift Pump with 3 inch polished iron cylinder, plain brass valve seat, 1 1/4 inch pipe. Height 25 1/2". Wt. 30 Lbs. ....GICIB	6.25
No. R248 1/2,	House Lift Pump, with 3 1/2 inch polished iron cylinder, plain brass valve seat, 1 1/2 inch pipe. Height 25 1/2". Wt. 31 Lbs. ....GICTE	7.25

REPAIRS: See Pages 67 to 72, No. R40 Repair Catalog



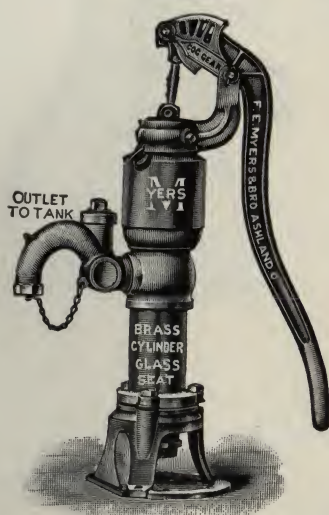


# THE MYERS COG GEAR DOUBLE ACTING HOUSE FORCE PUMP

For Use In Raising Water Not Exceeding 25 Feet Vertical Lift to Low Water Level

*Aluminum and Gold Finish*

Fig. 1663  
PATENTED



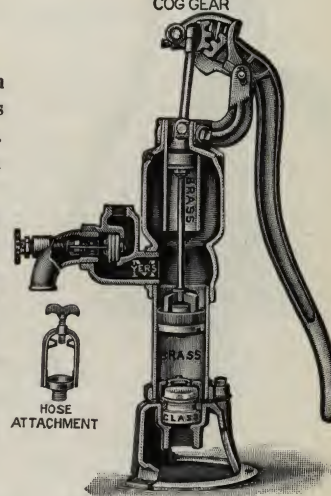
## Malleable Iron Shield Over Cog Gears

THE application of the cog gear movement to the piston rod of a pump gives a compound leverage that increases the power applied to the handle about  $33\frac{1}{3}$  per cent. This special leverage adapts the pump to forcing water to an elevation or into a tank.

Fig. 1663 illustrates the Myers House Pump as fitted with cog gear handle. The reversible handle can be located at any angle either right or left hand or straight away from the pump as desired. The pump is double acting, has heavy seamless brass upper and lower cylinders, with *patented glass valve seat*, specially vulcanized rubber faced check valve and expansion plunger bucket. It is compactly built and very powerful.

Fig. 1895 represents the same pump as fitted with cock spout. The cock spout and plain spout are interchangeable on the same pump.

Fig. 1895  
PATENTED  
COG GEAR



## PRICE LIST, Represented by Fig. 1663

No. R251,	Fig. 1663, has brass upper and 3 inch brass lower cylinder, with patent glass valve seat, tapped for $1\frac{1}{4}$ inch suction pipe; plain spout. Height $25\frac{1}{2}$ ". Wt. 30 Lbs.	GIBEK	\$ 9.75
No. R251CS,	Fig. 1895, has brass upper and 3 inch brass lower cylinder, with patent glass valve seat, tapped for $1\frac{1}{4}$ inch suction pipe; has cock spout. Height $25\frac{1}{2}$ ". Wt. 31 Lbs.	GIBFI	11.00
No. R253,	Fig. 1663, has brass upper and $3\frac{1}{2}$ inch brass lower cylinder, with patent glass valve seat, tapped for $1\frac{1}{2}$ inch suction pipe; plain spout. Height $25\frac{1}{2}$ ". Wt. 34 Lbs.	GIBJA	11.25
No. R253CS,	Fig. 1895, has brass upper and $3\frac{1}{2}$ inch brass lower cylinder, with patent glass valve seat, tapped for $1\frac{1}{2}$ inch suction pipe; has cock spout. Height $25\frac{1}{2}$ ". Wt. 35 Lbs.	GIBMU	12.50

FIG. 1900 represents the Myers House Pump which is built on the same principle throughout as our regular Double Acting House Force Pump. This pump, instead of being fitted with a base or stand, is arranged with a bracket, which is attached directly to the side of the wall of building, or can be mounted on plank and the plank attached directly to the wall.

Fig. 927 is a Single Acting House Force Pump.

## PRICE LIST, Represented by Fig. 1900

No. R249CS,	Cog Gear Double Acting Pump, has brass upper and 3 inch brass lower cylinder, with patented glass valve seat and cock spout, tapped for $1\frac{1}{4}$ inch suction pipe. Height 25". Wt. 32 Lbs.	GIDBO	\$11.50
	For the above pump fitted with plain spout, deduct		1.25
	For the above pump mounted on plank, as shown in Fig. 1900, add	GIDIA	1.25

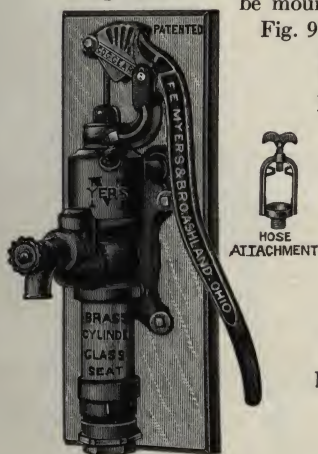
## PRICE LIST, Represented by Fig. 927

No. 252CS,	Single Acting Pump, has 3 inch brass cylinder with patented glass valve seat and cock spout. Height $30\frac{1}{2}$ ". Wt. 34 Lbs.	GIDLU	\$ 11.50
	For the above pump fitted with plain spout, deduct from list		1.25

For Hose Connection on above pumps, See Accessories

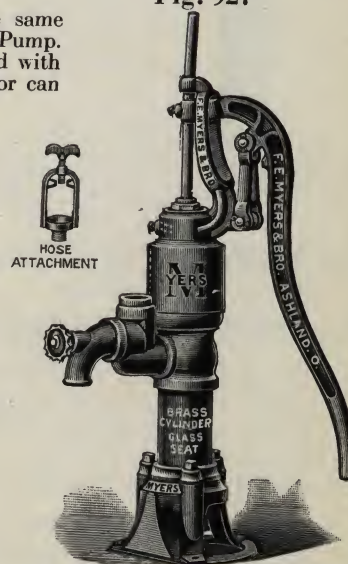
REPAIRS: See Pages 67 to 72, No. R40 Repair Catalog

Fig. 1900



Double Acting Pump

Fig. 927



Single Acting Pump





# ANTI-FREEZING CISTERN AND SHALLOW WELL PUMPS

Fig. 1897



For Use In Raising Water Not Exceeding 30 Feet  
Vertical Lift to Low Water Level

*Malleable Iron Shield Over Cog Gears*

With Siphon Spout and Reversible Handle

Aluminum and Gold Finish

All Pipe Galvanized

**F**IGS. 1745 and 1897 represent the Myers House and Cistern Pumps with valves omitted and a set-length pipe connected to cylinder below. These pumps are suitable for indoor or outdoor service where a short pump standard is desired.

The spout has outlet to tank and is furnished with brass cap to close spout which enables user to force water into an overhead tank. A check valve should be placed in this discharge pipe immediately above the spout.

These pumps are fitted with a frost vent in pipe just above the cylinder to prevent freezing.

For Hose Connection, See Accessories

4 FOOT SET LENGTH

Fig. 1745



## PRICE LIST, Represented by Fig. 1897

No.	Description	Price
No. RS245,	has 3 inch brass lined cylinder with glass valve seat, tapped for 1¼ inch pipe.	
Wt. 50 Lbs. ....	GIDON	\$12.00
No. RS246½,	has 3 inch polished iron cylinder with plain brass seat, tapped for 1¼ inch pipe.	
Wt. 50 Lbs. ....	GIDUB	10.00

## PRICE LIST, Represented by Fig. 1745

No.	Description	Price
No. RS251,	has 3 inch brass lined cylinder with glass valve seat, tapped for 1¼ inch pipe.	
Wt. 51 Lbs. ....	GIFDI	\$13.75
No. RS251½,	has 3 inch polished iron cylinder with plain brass seat, tapped for 1¼ inch pipe.	
Wt. 50 Lbs. ....	GIFEG	11.75
For any of above Force pumps fitted with cock spout, Fig. 911, add to Price ..		1.25

REPAIRS: See Pages 67 to 72, No. R40 Repair Catalog





# THE MYERS COG GEAR HOUSE FORCE PUMP

PATENTED

For Use in Raising Water Not Exceeding 25 Feet  
Vertical Lift to Low Water Level

Aluminum and Gold Finish

33 1/3% Less Power Required to Operate

Fig. 2443

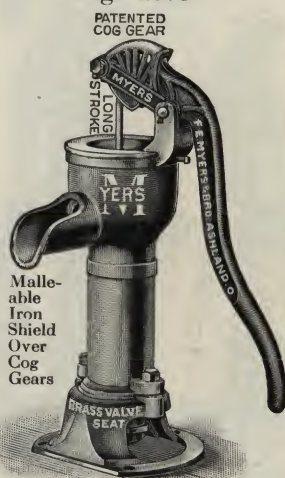


FIG. 2443 represents the Myers Single Acting House Force Pump fitted with our Patented Rolling Motion Cog Gear Handle and Seamless Drawn Brass Cylinder with Plain Brass Valve Seat and Hinged Check Valve. The head is attached to the pump by two hook bolts. The handle can be located at any angle desired. Arranged to drain the water to prevent freezing. The plunger can be withdrawn through head of pump. Tapped for back outlet. Can be used with Plain or Cock Spout. Entire height 20 inches.

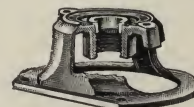
## PRICE LIST, Represented by Fig. 2443

No. R414,	Myers Cog Gear Single Acting House Force Pump with Plain Spout, 3 inch Brass Cylinder, with plain Brass Valve Seat, tapped for 1 1/4" pipe. Height 20". Wt. 22 Lbs. ....	GIFOL	\$ 8.00
No. R414CS,	Same as No. R414, except with 3/4" Nickel Plated Brass Cock Spout. Height 20". Wt. 22 Lbs. ....	GIFUZ	9.00

Fig. 1675



For Hose Connection,  
See Accessories



Showing Brass Valve Seat  
used with these Pumps.

## The Myers Cog Gear Pitcher Pump

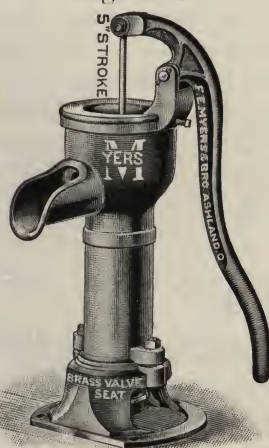
Fitted With Brass Valve Seat      Long Stroke      Large Capacity  
More Water with 33 1/3% Less Power Required to Operate

FIG. 1675 represents the Myers Long Stroke Pitcher Pump placed on the market by us to meet the demand for a pitcher pump with extra large capacity. This pump is fitted with our patented rolling motion cog gear handle. The handle can be adjusted to any desired angle. The cylinder is bored and highly polished. Arranged to drop the water to prevent freezing.

## PRICE LIST, Represented by Fig. 1675 (Height 20")

No. R416,	Myers Long Stroke Cog Gear Pitcher Pump, 3 inch, polished cylinder, with plain brass valve seat, tapped for 1 1/4" pipe. Wt. 21 Lbs. ....	GIGAN	\$ 5.00
No. R417,	As above, with 3 inch brass lined cylinder, tapped for 1 1/4" pipe. Wt. 23 Lbs. ....	GIGEF	6.50
No. R418,	Myers Long Stroke Cog Gear Pitcher Pump, 3 1/2 inch polished cylinder, with plain brass valve seat, tapped for 1 1/2" pipe. Wt. 25 Lbs. ....	GIGIX	6.00

Fig. 1676



## Myers Long Stroke Pitcher Pump

Fitted With Brass Valve Seat      Long Stroke (5")      Large Capacity

FIG. 1676 represents the Myers Long Stroke Pitcher Pump built to fill the requirements of a pitcher pump where capacity is considered. The cylinder is bored and highly polished. The handle is adjustable to any angle. Arranged to drop the water to prevent freezing.

## PRICE LIST, Represented by Fig. 1676 (Height 20")

No. 416,	Myers Long Stroke Pitcher Pump, 3 inch polished cylinder, with plain brass valve seat, tapped for 1 1/4 inch pipe. Wt. 21 Lbs. ....	GIGOK	\$ 4.75
No. 417,	As above, with 3 inch brass lined cylinder. Wt. 21 Lbs. ....	GIGTA	6.25
No. 418,	Myers Long Stroke Pitcher Pump, 3 1/2 inch polished cylinder, with plain brass valve seat, tapped for 1 1/2 inch pipe. Wt. 24 Lbs. ....	GIHAM	5.75

REPAIRS: See Pages 67 to 72, No. R40 Repair Catalog

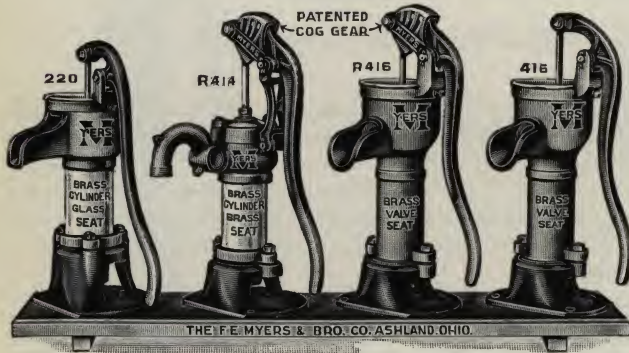




# THE MYERS HOUSE PUMP DISPLAY

For Counter, Window or Outside Display

Fig. 2983

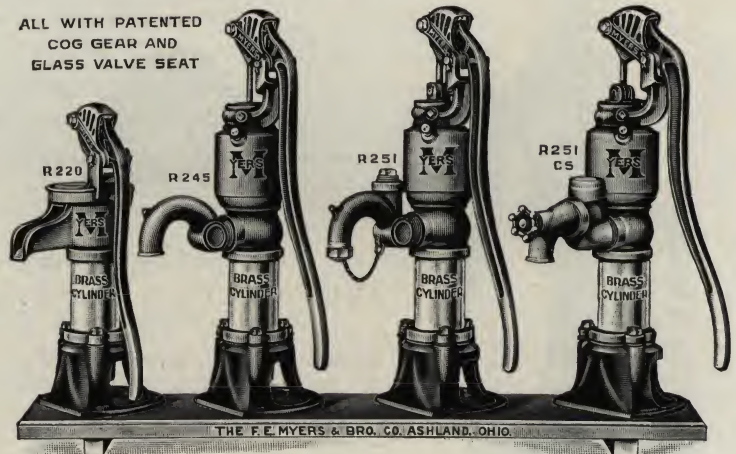


*Aluminum and Gold Finish*

Floor Space 10' x 48'

We can mount any particular House Pumps on this board that you desire. Please specify Pumps wanted.

Fig. 2984



THE above illustrations show our Dealers Exhibit of Myers House Pumps, consisting of four pumps. The display is attractively mounted on heavy plank, nicely painted, and gives the dealer a handsome sample. The pumps are nicely finished and will interest customers, justifying effort for display on floors, counters, in windows or on pavement. It is distinctive in style of pumps as well as in advertising value, and covers a line on which we have a very large demand.

We make no charge whatever for the stand itself,

or for mounting and crating for shipment. A charge is made only for the Pumps ordered, which are subject to your regular Pump Discount. The exhibit comes to you mounted and crated complete.

The tendency is to get away from cheap, flimsy pumps, to neatly finished, attractive pumps which harmonize with brass and nickel trimmings such as are now being used in bathrooms, kitchens and home surroundings. With a display of this kind before a customer and the proper sales argument you can double or triple your house pump business.

## PRICE LIST, Represented by Figs. 2983 and 2984

Myers House Pump Display, complete as illustrated above, including four Myers House Pumps, mounted on heavy plank, ready for exhibition purposes and crated for shipment. Code—GILKO....  
..... Price Depends on Pumps Furnished





# MYERS DIRECT-LINE WELL FORCE PUMP

*With Double Rod Guide and Bolted Flange Head*

Glass Valve Seat and Poppet Valve

Fig. 2210

Fig. 1185

For Use In Raising Water Not Exceeding 25 Feet Vertical Lift To Low Water Level

Fig. 2221



Has 6, 8 and 10 Inch Stroke,  
Is Tapped for 1½ Inch Suction Pipe and Back Outlet  
and Has 1¼ Inch Plunger Tube With Expansion  
Rubber Disc or Stuffing Box

FIG. 2210 illustrates the Myers Direct-Line Well Force Pump as made with 6, 8 and 10 inch adjustable stroke, and 1¼ inch Expansion Plunger or Stuffing Box.

The Flanged Head is accurately machined and held with three heavy bolts. The Stand Head is drilled to permit the Handle being located at any angle desired. The Double Direct-Line Guide Rods are hard steel  $\frac{13}{16}$  inch in diameter accurately threaded and screwed into the Pump Head, (no set screws). These Guides are set back of the Piston Rod to permit the use of a Pump Jack, and retain the direct-line lift.

The Body of the Stand forms the Cylinder which is either polished iron or brass lined as specified in list. The bottom of the Stand just above the base is fitted with a hand hole 4 inches in diameter through which the Valve and Seat can be quickly and easily removed.

The Base is 12 inches in diameter fitted with Patented Glass Valve Seat and Poppet Valve faced with high grade rubber; tapped for 1½ inch suction pipe. The Base will fit over an 8 inch well pipe, excluding all surface water.

The Cock Spout, Fig. 1185, is a Compression Type; full opening, even flow of water; adjusts itself to wear.

## PRICE LIST, Represented by Fig. 2210

### WITH PLUNGER TUBE

No.	Description	Price
No. 530P,	Myers Direct-Line Well Force Pump with 3 inch Polished Iron Cylinder and Cock Spout. Wt. 85 Lbs. ....	GIHMO \$22.75
No. 531P,	Myers Direct-Line Well Force Pump with 3 inch Brass Lined Cylinder and Cock Spout. Wt. 85 Lbs. ....	GIJAK 26.00

### WITH STUFFING BOX

No.	Description	Price
No. 530,	Myers Direct-Line Well Force Pump with 3 inch Polished Iron Cylinder and Cock Spout. Wt. 86 Lbs. ....	GIJEC 22.00
No. 531,	Myers Direct-Line Well Force Pump with 3 inch Brass Lined Cylinder and Cock Spout. Wt. 86 Lbs. ....	GIJOH 25.25

REPAIRS: See Pages 89 and 90, No. R40 Repair Catalog





# THE MYERS NEW MODEL COG GEAR FORCE PUMP

*Double Acting*

PATENTED

The Cog Gear Handle Under the Same Pressure  
Will Operate With  $33\frac{1}{3}\%$  Less Power

Equipped with Brass Valve Seats and Rubber  
Faced Valves

Fig. 1909

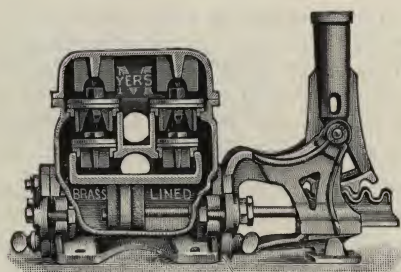
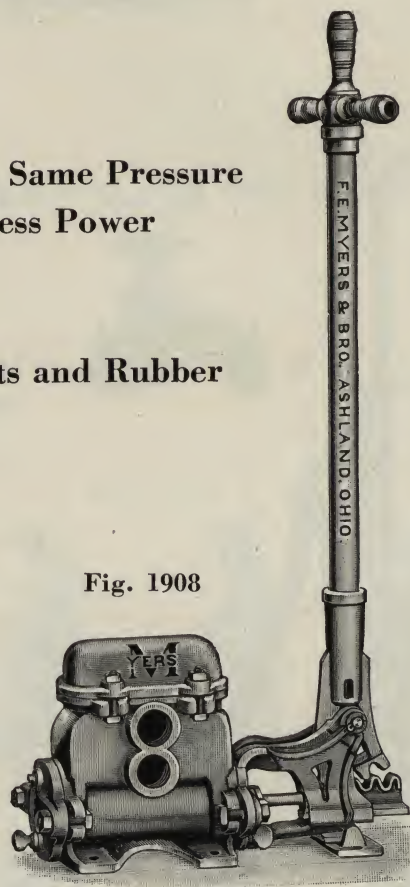


Fig. 1908



**F**IGS. 1909 and 1908 illustrate the Myers New Model Cog Gear Force Pump, fitted with brass lined cylinder, brass valve seats and rubber faced valves. The suction valves are located immediately below the discharge valves. The suction valve is removed through the discharge valve opening. All four of the valves are reached by removing the air dome, which is located directly over them, and without disturbing either the suction or discharge pipe. The cylinder heads and air dome are attached to the pump by means of through machine bolts, and can be entirely dismantled with an ordinary wrench.

The suction and discharge pipes attach to either side of the pump.

The pump is thoroughly well made in every respect, and is of such strength as to stand the rough usage to which this class of pumps is generally subjected.

Note: Immediately underneath the cog gear handle bracket a wedge shaped flange is used, which connects to a flange plate located on the floor, forming a complete support against any strain from pumping. This flange adjusts itself to the pump by sliding forward or backward.

## PRICE LIST, Represented by Fig. 1908

No. R288, Myers New Model Cog Gear Force Pump, as illustrated under Fig. 1908, 3x4 $\frac{1}{2}$ inch Brass Lined Cylinder, Solid Brass Piston Rod, 1 $\frac{1}{4}$ " Suction and Discharge.		Price
Wt. 57 Lbs. ....		HAFIS \$16.00
No. R289, Myers New Model Cog Gear Force Pump, Fig. 1908, 4x5 inch Brass Lined Cylinder, Brass Covered Piston Rod, 1 $\frac{1}{2}$ " Suction and Discharge. Wt. 79 Lbs. ....		HAFOF 21.00

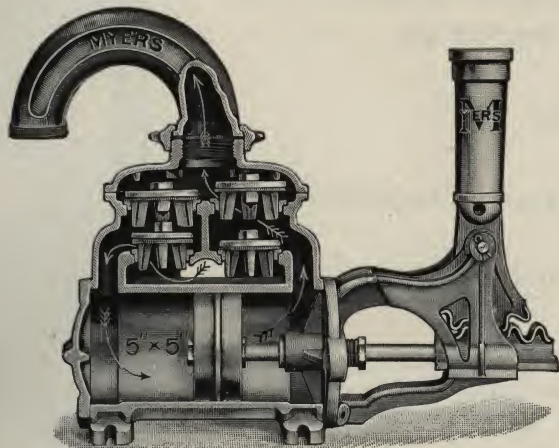
REPAIRS: See Page 78, No. R40 Repair Catalog





# MYERS COG GEAR LOW DOWN DOUBLE ACTING FORCE TANK PUMP

*5x5 Inch Cylinder Capacity 2,000 Gallons Per Hour*



Has Brass Valve Seats and Metal  
Valves Faced With Rubber

For Filling Thresher Tanks, Washing Out  
Boilers, Irrigation Purposes, Pumping  
Water from Trenches, Shallow Wells,  
Cellars, Barnyards, Etc.

All Through Bolts No Cap Screws

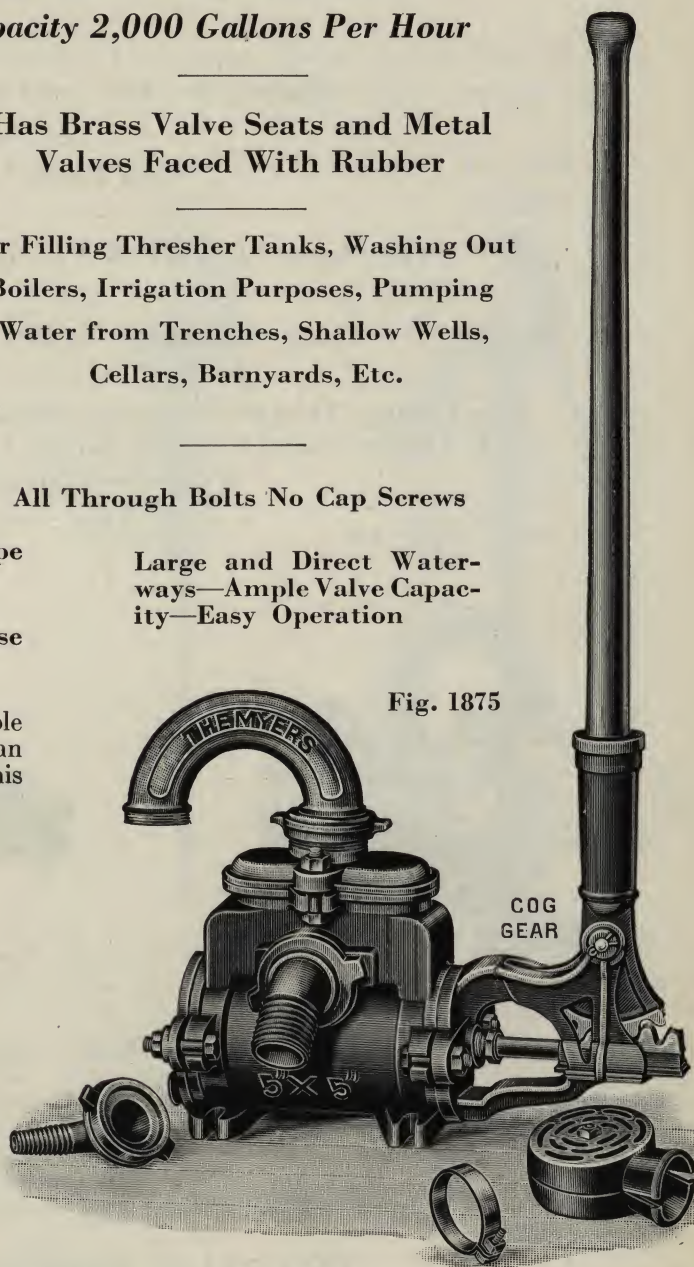
Suction and Discharge Tapped for 2 inch Pipe

Suction Fitted for 2 inch Enlarged End Hose

Large and Direct Water-  
ways—Ample Valve Capac-  
ity—Easy Operation

FIG. 1875 illustrates the Myers Giant Double Acting Force Pump with Cog Gear Handle, an entirely new design of low down construction. This pump has many desirable features, especially the reversible Cog Gear Head by means of which the power required to operate is reduced one-third. The piston moves in a direct line with the cylinder without carrying the weight of the handle, which reduces the friction and eliminates wear on rod and stuffing nut. Short fulcrum with a full 5 inch stroke.

This pump was designed so that all working parts can be easily reached for inspection or repairs. By loosening the bolts and removing cap all valves are exposed—which permits quick removal when necessary. A wrench is the only tool needed. It is fitted for 2 inch suction hose. Both suction and discharge are fitted with union rings with lugs and are tapped for 2 inch iron pipe. Drip cocks are provided for draining cylinder to prevent freezing. Spout is reversible.



## PRICE LIST, Represented by Fig. 1875

No. R479,	Cog Gear Low Down Double Acting Force Tank Pump, with hose nipple, hose band and strainer. Wt. 73 Lbs. ....	HABAM	Price \$16.75
No. R479½,	Brass Lined Cog Gear Low Down General Purpose Double Acting Force Tank Pump, with hose nipple, hose band and strainer. Wt. 75 Lbs. ....	HABUX	20.25
	Two inch spiral wire suction hose, 15, 20 and 25 foot lengths. See Page 313		

REPAIRS: See Pages 92 to 94, No. R40 Repair Catalog





# MYERS LOW DOWN GENERAL PURPOSE DOUBLE ACTING FORCE TANK PUMP

*Fitted for Hose and Two Inch Pipe*

*With Plain Handle*

*The Name LOW-DOWN, a Registered Trade Mark*

*Large Capacity 2,000 Gallons Per Hour*

*For Filling Thresher Tanks, Washing Out Boilers, Pumping  
Water from Shallow Wells, Cellars and Barnyards,  
Irrigation Purposes, Etc.*

Fig. 513



Represents No. 268. Plain Handle

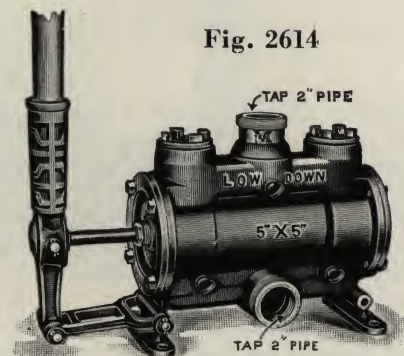
FIG. 513 represents our Low Down Tank Force Pump.

The cylinder is 5 inches in diameter, bored on lathe and polished. Has 5 inch stroke, with 2 inch openings for suction and discharge.

The valve seats are of brass and practically indestructible. The check valves are metal, faced with



Fig. 2614



Represents No. 267E

rubber.

The Piston Rod is made from  $\frac{13}{16}$  inch drawn polished steel, and has a heavy brass stuffing nut.

The Handle is reversible; can be placed on either end, making it a right or left hand pump.

The Suction and Discharge Ports are fitted for hose and threaded on the inside for 2 inch iron pipe.

## PRICE LIST, Represented by Fig. 513

No. 268,	Low Down Tank Force Pump, hose nipple, hose attachment, hose band and strainer. Wt. 85 Lbs. ....	HACED	\$16.75
No. 268½,	Brass Lined Low Down Force Pump, hose nipple, hose attachment, hose band and strainer. Wt. 87 Lbs. ....	HADDE	20.25
Two inch spiral wire suction hose, 15, 20 and 25 foot lengths. See Page 313			

## PRICE LIST, Represented by Fig. 2614

No. 267E,	Low Down Force Pump as illustrated in Fig. 2614 .....	HAKIN	\$15.75
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REPAIRS: See Pages 92 to 94, No. R40 Repair Catalog





# MYERS PUMPS FOR HANDLING OIL, KEROSENE AND GASOLINE

Fig. 1905



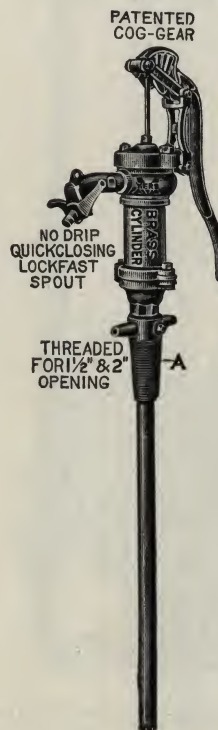
Fig. 1905 Has a Capacity of  
1200 Gallons Per Hour

The Myers Oil and Gasoline Pump,  
for Warehouse and Garage Use

Fig. 2462



Fig. 1972



**FIG. 1905** represents the Myers Giant Cog Gear Low Down Tank Pump, especially designed for handling oil. It has special packing and is fitted for a 2 inch suction and discharge pipe or hose—state which is wanted. Has brass valves, leather faced (this facing is removed for pumping oil) and brass valve seats; otherwise it has the same construction throughout as No. R479 Tank Pump.

Figs. 2462 and 1972 represent the Myers Oil and Gasoline Pump as furnished for pumping kerosene or

gasoline direct from the barrel to an elevated tank. For use in warehouse, garage, etc. Has 3" brass cylinder, brass seat and valve. The plunger has special packing. It is furnished with an attachment that screws into the barrel, inside of which the suction pipe is placed and held snugly in position by a large cap screw. One inch hose can be attached direct to the pump, through which the liquid is forced to the tank or other receptacle.

## PRICE LIST, Represented by Fig. 1905

Fitted for 2 inch Pipe or Hose (State Which is Wanted)

		Price
No. R469,	The Myers Giant Cog Gear Tank Oil Pump, 5x5 inch cylinder, as shown by Fig. 1905. Wt. 67 Lbs. ....HADGY	\$20.00
No. R469 1/2,	The Myers Brass Lined Giant Cog Gear Tank Oil Pump, 5x5 inch cylinder, as shown by Fig. 1905. Wt. 68 Lbs. ....HADLO	23.50

## PRICE LIST, Represented by Figs. 2462 and 1972

No. R453,	The Myers Kerosene and Gasoline Pump complete as shown in Fig. 2462, with 3x4" Cylinder, 40 inches of 1" Pipe and 3/4" Hose Nipple. Wt. 28 Lbs.....HAFEA	14.25
No. R453 1/2,	Same as No. R453 except it is fitted with a 1" No Drip, Quick Closing Faucet Spout, Fig. 1972, for handling Lubricating Oil. Wt. 29 Lbs. ....HAFFY	15.25

REPAIRS: See Pages 76 and 77, No. R40 Repair Catalog





# THE MYERS DOUBLE ACTING FORCE PUMP

"Handy Billy"

Built in Accordance with Requirements of the Department of Commerce and U. S. Navy

Used on Ships, in Mines, Factories, Etc.

Fig. 1857

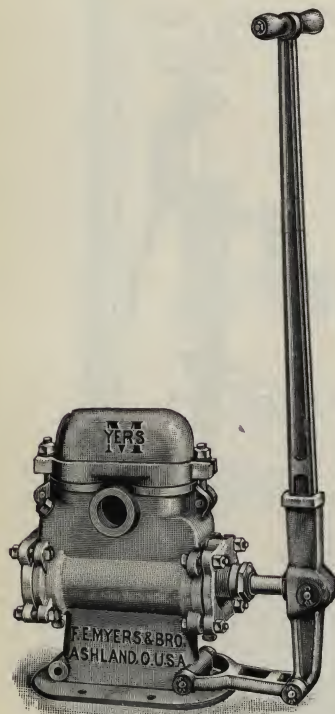


Fig. 2136

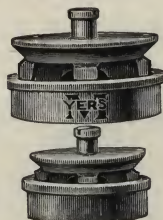


Fig. 1863

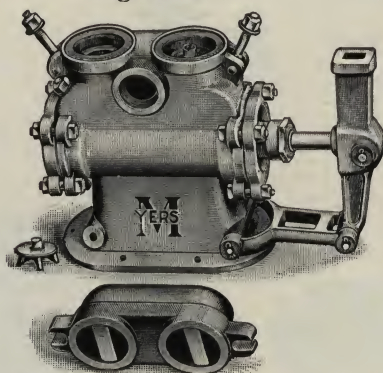
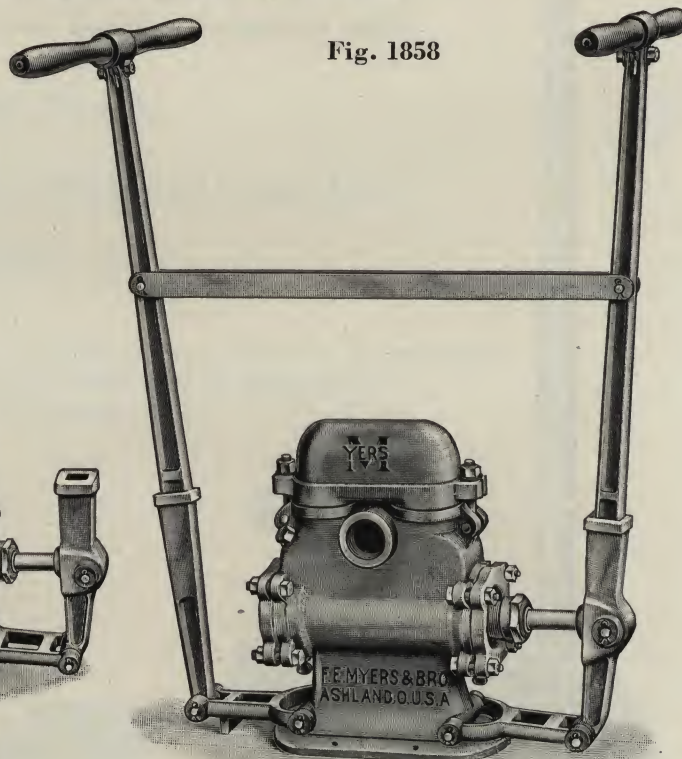


Fig. 1858



## An Ideal Pump for handling Gasoline or Kerosene when fitted with Special Plunger Packing

Ship Pumps. Specifications of the Department of Commerce covering Ocean, Coastwise and Steamboat inspection requiring a Deck Pump for Fire service with a capacity of 100 cubic inches per stroke are met by Pump No. 487 which is approved for this service. Pump No. 488 meets Lloyd's Specifications.

Pumps Nos. 487 and 488 when mounted on plank with four eye bolts meet the U. S. Navy specifications.

THE above cuts illustrate The Myers Pump of the "Handy Billy" type designed for use on Ships, in Mines and Factories, or any place where a strong and ruggedly built pump is required. Has brass lined cylinder;  $1\frac{1}{8}$ " brass covered piston rod, outside packed, with brass packing follower; valves and seats are brass, bevel ground; cylinder heads are flanged for

packing and telescope into cylinder body to insure alignment of all working parts. Has one packing joint to reach valves, which is recessed for circular packing gasket. Handle is malleable iron. The wood bar is of sufficient length to permit two men to operate the pump and of such size that it can be replaced with a  $1\frac{1}{4}$  inch pipe. **Note:** The discharge line is taken from the body of the pump instead of the air chamber. All valves can be reached without disconnecting any of the piping or hose. All parts connected with heavy through bolts. Can be entirely dismantled by use of an ordinary wrench. Provided with priming and drain plugs.

Fig. 1863 shows the air chamber removed, and also one of the valves.

Fig. 2136 shows an enlarged view of valves.

### PRICE LIST, Represented by Fig. 1857

Pump No.	Diam. In.	Stroke In.	Suc. & Disch. Pipe In.	Capacity per Rev. of handle		Weight Lbs.	Code	Price
				Cu. In.	Gals.			
476	4	$5\frac{1}{2}$	2	138.23	.598	127	HAGEZ	\$39.00
477	5	$5\frac{1}{2}$	$2\frac{1}{2}$	215.98	.935	158	HAGIR	48.50
478	6	$5\frac{1}{2}$	3	311.02	1.336	255	HAGRY	65.00

### PRICE LIST, Represented by Fig. 1858

486	4	$5\frac{1}{2}$	2	138.23	.598	143	HAGUS	44.25
487	5	$5\frac{1}{2}$	$2\frac{1}{2}$	215.98	.935	255	HAHAG	53.75
488	6	$5\frac{1}{2}$	3	311.02	1.336	260	HAHEY	70.25

Brass Hose Nipples for Suction and Discharge, add to above prices—2 inch \$2.15,  $2\frac{1}{2}$  inch, \$5.00, 3 inch \$5.50.

REPAIRS: See Page 73, No. R40 Repair Catalog





# THE MYERS SIPHON PUMP

*With Patented Glass or Brass Valve Seat*

Made With Two, Two and One-Half, Three, and Three and One-Half Inch Cylinders, Ten Inch Stroke. Extreme Movement of Plunger, 12 Inches

1½ Inch Suction and Discharge

FIGS. 695 and 696 illustrate the Myers Siphon Pump, constructed so that all the working parts can be removed without disturbing the suction or discharge pipes, or disarranging the pump or connections in any manner. Has seamless drawn brass cylinder, brass valve cap, glass valve seat, all brass plunger and brass piston rod, large brass packing box, air chamber of large capacity and check valve in discharge opening. Outlet can be set at different angles to suit the location.

Fig. 695

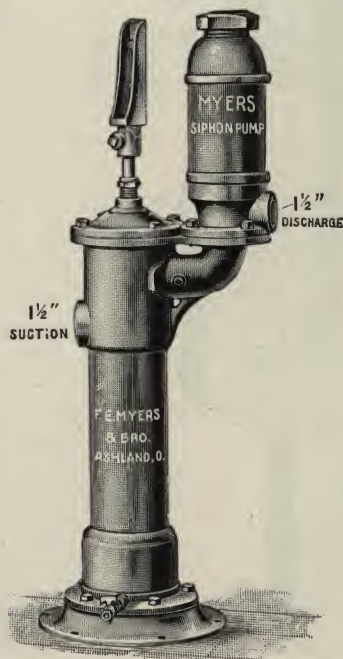


Fig. 696

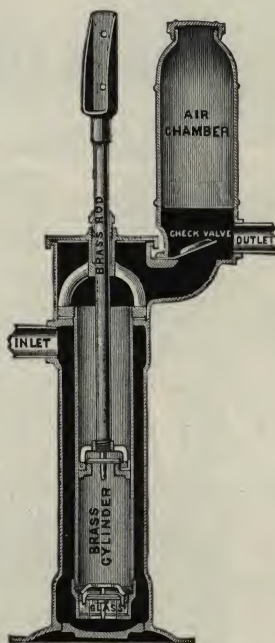
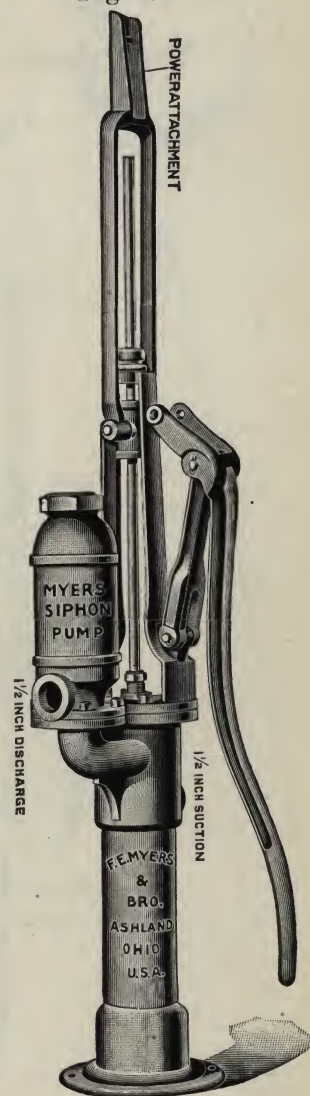


Fig. 798



## PRICE LIST, Represented by Figs. 695 and 696

Capacity, 300 gallons per hour		
No. 159, with 2 inch cylinder, tapped for 1½" pipe, brass seat only. Wt. 82 Lbs.	HAHOD	\$ 25.25
Capacity, 510 gallons per hour		
No. 160, with 2½ inch cylinder, tapped for 1½" pipe, suction and discharge. Wt. 85 Lbs.	HAHUR	25.25
Capacity, 730 gallons per hour		
No. 161, with 3 inch cylinder, tapped for 1½" pipe, suction and discharge. Wt. 85 Lbs.	HAJEW	26.25
Capacity, 1000 gallons per hour		
No. 162, with 3½ inch cylinder, tapped for 1½" pipe, suction and discharge. Wt. 88 Lbs.	HAJOB	31.25
Above capacity based on 40 strokes per minute—10 inch stroke		
With handle and power attachment, as shown in Fig. 798, add to Price	HAJUP	9.50
With power attachment only, no handle and fulcrum, add to Price	HAKAD	4.75

REPAIRS: See Pages 79 and 80, No. R40 Repair Catalog



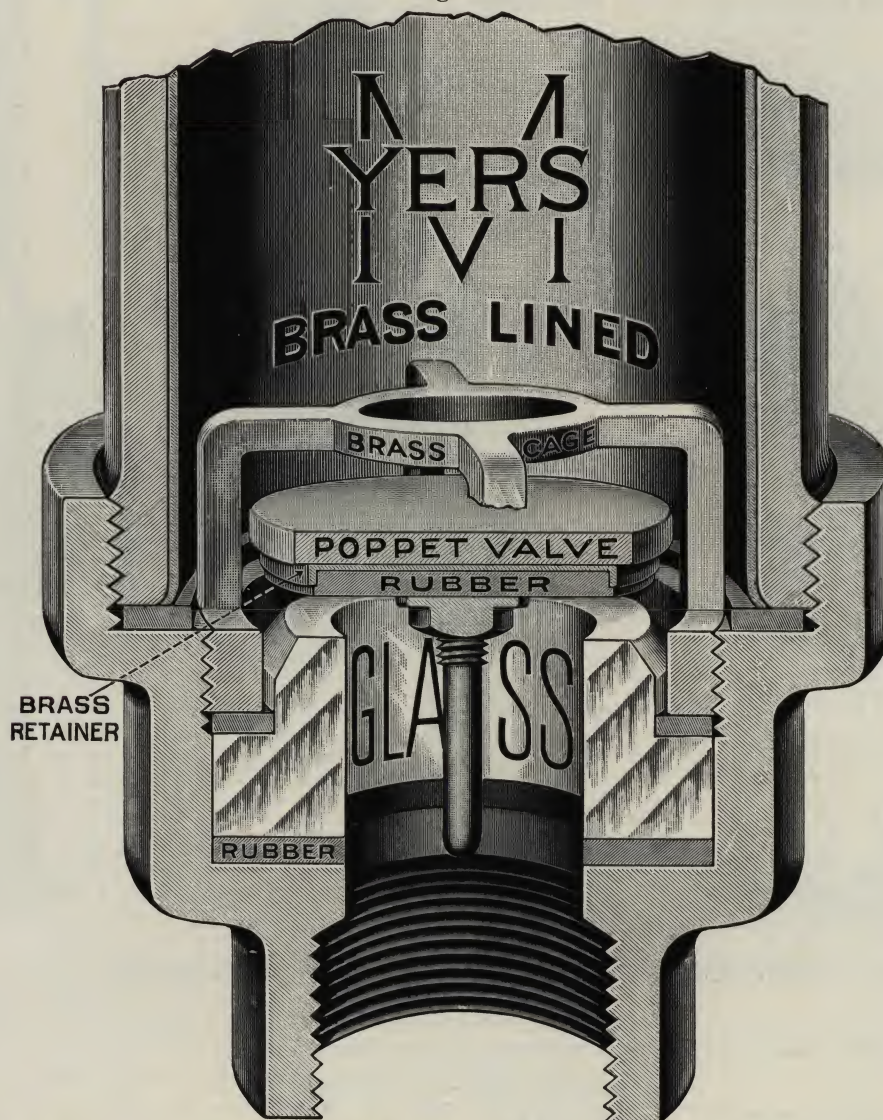


# THE MYERS PATENTED GLASS VALVE SEAT

*Absolutely Non-Corrosive*

The Cylinder Is the Most Vital Part of the Pump, and the Valve Seat  
Is the Heart of the Cylinder

Fig. 1020



Brass Lined Cylinder, Capped Outside

WE use the *Patented Glass Valve Seat* because glass is the only material that will not *corrode or rust* and accumulate a vitreous substance which *hardens the leathers* and causes the pump to lose priming, as is the case with brass, iron or any other metal.

THE VALVE is of the poppet pattern, fitted with a specially vulcanized rubber face. This rubber is enclosed in a brass retainer that prevents its spreading or getting out of shape when used continually, or being crushed when under heavy pressure.

The poppet valve is held in position by a heavy brass cage

(see Fig. 1020). This also holds the glass seat firmly in position. The action of the valve is always perpendicular, *rising clear* of the seat at each stroke, thus clearing itself of all foreign substances which is not the case with a hinge valve.

RUBBER vs. LEATHER in Check Valves. The advantage of the former is, that having more life it expels sand or gravel while leather retains it and causes the pump to lose priming.

Myers Glass Seat Cylinders are furnished regularly on all Myers pumps which are listed with either brass or brass lined cylinders.



# MYERS

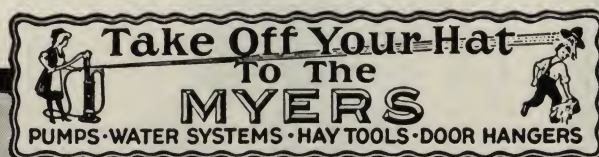
## MYERS CYLINDERS AND WORKING BARRELS

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PLUNGERS AND LOWER  
VALVES, LEATHERS  
AND SUNDRIES

---

SEE REPAIR CATALOG FOR REPAIRS



CYLINDERS

WATER SYSTEMS

S-O.S.W. POWER

S-O.D.W. POWER JACKS

PUMP

EJECTO PUMPS

CENTRI-

ACCES- SOCIET

HAND SPRAY

POWER SPRAY

SPRAY ACCESS

POWER MATCHES

HAY TOOLS

DOOR HANGERS

ENG

MOD





# MYERS BRASS LINED AND BRASS BODY CYLINDERS

*With Patented Glass Valve Seat and Rubber Faced Poppet Valves*

Fig. 3204



MYERS Brass Lined and Brass Body Cylinders are extra strong and sturdy and have many features and refinements which are found on no other Cylinders. The Shell of the Brass Lined Cylinder, Fig. 3204, is made of Close Grained Grey Iron with Seamless Drawn Brass Liner. It is fitted with heavy Iron Outside Caps. The Brass Body Cylinder, Fig. 3205, recommended for small diameter wells, has extra heavy brass tubing body and is fitted with either Brass or Iron Flush Caps.

LOWER VALVE SEAT is the Myers Patented Glass Valve Seat; will not corrode, rust or accumulate a vitreous substance which would harden the leathers and cause the pump to lose priming.

LOWER VALVE is poppet pattern fitted with rubber face. The rubber is enclosed in a brass retainer to prevent spreading when under heavy pressure. Valve is held in place by a brass cage which also holds the glass seat firmly in position. Action of the valve is always perpendicular, rising clear of seat at each stroke, thus clearing itself of all foreign substance.

PLUNGER, Myers Single or Double Leather, has Brass Follower and Valve Seat and Brass Poppet Wing Valve with Rubber Facing. The Rubber Facing on Valve is enclosed in the Brass to prevent squashing out of shape—See Fig. 3040. (Plunger stem lasts longer in Iron Cage than in Brass Cage).

$2\frac{1}{4}''$  to  $3\frac{1}{2}''$  Cylinders have  $\frac{7}{16}''$  Steel Plunger

Stem and  $\frac{7}{16}'' \times \frac{3}{8}'' \times \frac{7}{16}''$  Rod Coupling

$1\frac{3}{4}''$  and  $2''$  Cylinders have  $\frac{3}{8}''$  Plunger Stem and Figure 3074 and 3075 Plungers.

Rod Coupling  $\frac{3}{8}'' \times \frac{3}{8}'' \times \frac{7}{16}''$

$4''$  and  $4\frac{1}{2}''$  Sizes have  $\frac{1}{2}''$  Stem, with  $\frac{1}{2}'' \times \frac{1}{2}''$  Coupling

$5''$  Sizes have  $\frac{5}{8}''$  Stem, with  $\frac{5}{8}'' \times \frac{5}{8}''$  Coupling

$6''$  Sizes have  $\frac{3}{4}''$  Stem, with  $\frac{3}{4}'' \times \frac{3}{4}''$  Coupling

Fig. 577

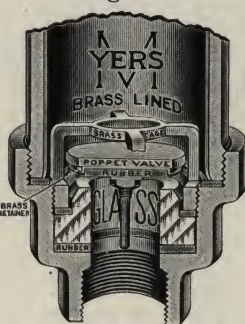
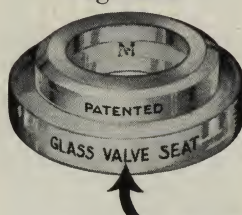


Fig. 577—Shows Valve Assembly for Brass Lined Cylinders.

Fig. 3202



Patented Glass Valve Seat

Fig. 2881

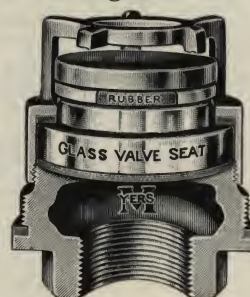
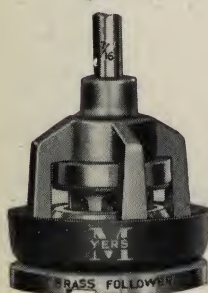


Fig. 2881—Shows Valve Assembly for Brass Body Cylinders.

Fig. 3205



Fig. 3071



Myers Single Leather Plunger

Fig. 2909



Rod Coupling

Fig. 3039

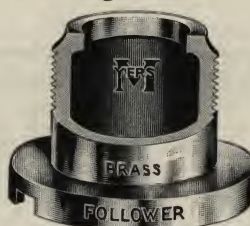
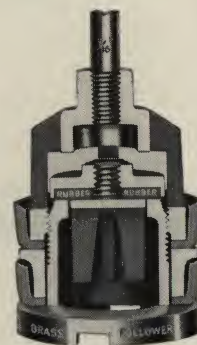


Fig. 3039 illustrates the BRASS FOLLOWER and VALVE SEAT.

Fig. 3040



Myers Double Leather Plunger





# MYERS BRASS LINED AND BRASS BODY CYLINDERS

## Fig. 3204, Myers Brass Lined Cylinders

Inside Diam. and Length Stroke Inches	Length Shell, Inches	Capacity per Stroke, Gallons	Can be Used in Well Diam., Inches	Tapped Size of Pipe in Inches	Weight Lbs.	Code	With Brass Follow, lower, Seat & Valve in Plunger Price	Code	With all Brass Plunger Price
<b>With Fig. 3071 Single Leather Plungers.</b>									
2 1/2 x 6	10	.128	4	1 1/4	10 1/4	JYGIT	\$ 6.00	JYIAH	\$ 6.25
3 x 6	10	.184	4 1/2	1 1/4	12 1/2	JYGN1	6.50	JYIBF	6.75
3 1/2 x 6	10	.250	5	1 1/2	16 1/2	JYGOG	7.50	JYICD	8.25
4 x 6	10	.326	6	2	19 1/2	JYGPE	9.75	JYIEZ	10.75
<b>With Fig. 3040 Double Leather Plungers.</b>									
2 1/2 x 6	12	.128	4	1 1/4	12	JYGRA	6.50	JYIGV	7.00
3 x 6	12	.184	4 1/2	1 1/4	15	JYGSY	7.00	JYIHT	7.75
3 1/2 x 6	12	.250	5	1 1/2	17 1/2	JYGXO	8.75	JYIIR	9.75
4 x 6	12	.326	6	2	20	JYHAI	11.00	JYIJP	12.25
2 1/2 x 8	14	.170	4	1 1/4	12	JYHCE	7.00	JYIKN	7.50
3 x 8	14	.245	4 1/2	1 1/4	15	JYHEA	7.50	JYIMJ	8.25
3 1/2 x 8	14	.333	5	1 1/2	19	JYHFI	10.00	JYING	11.00
4 x 8	14	.435	6	2	23	JYHIS	12.50	JYIOE	13.75
2 1/2 x 10	16	.213	4	1 1/4	13	JYHKO	7.50	JYIPC	8.00
3 x 10	16	.306	4 1/2	1 1/4	17	JYHOF	8.50	JYIRY	9.00
3 1/2 x 10	16	.417	5	1 1/2	21	JYHUT	11.00	JYITU	12.00
4 x 10	16	.544	6	2	24	JYHYL	14.00	JYIUS	15.50

## Fig. 3205, Brass Body Cylinders

Inside Diam. and Length Stroke Inches	Length Shell, Inches	Capacity per Stroke, Gallons	Can be Used in Well Diam., Inches	Tapped Size of Pipe in Inches	Weight Lbs.	Code	With Brass Follow, lower, Seat & Valve in Plunger. Iron Caps Price	Code	With All Brass Plunger. Iron Caps Price	Code	With All Brass Plunger. Brass Caps Price
<b>With Fig. 3071 Single Leather Plungers.</b>											
2 x 6	12	.082	2 1/2	1 1/4	5 1/2		.....		.....	JYIWO	*\$7.00
2 1/4 x 6	14	.103	3	1 1/4	6 1/2		.....	JYMRU	*\$6.50	JYOKH	*\$7.50
2 1/2 x 6	14	.128	3	1 1/4	7 1/2	JYIZI	\$6.50	JYMUO	6.75	JYOLF	7.75
2 3/4 x 6	14	.154	3 1/2	1 1/4	8	JYJAG	7.00	JYMXI	7.25	JYOMD	8.50
3 x 6	14	.184	3 1/2	1 1/4	9	JYJBE	7.25	JYMYG	7.50	JYONA	8.75
3 1/2 x 6	14	.250	4	1 1/2	12	JYJDA	8.50	JYNAC	9.25	JYOOY	11.00
4 x 6	14	.326	5	2	15	JYJEY	10.75	JYNBA	11.75	JYOOW	14.75
<b>With Fig. 3040 Double Leather Plungers.</b>											
1 3/4 x 6	14	.063	2	1	4 1/2		.....		.....	JYJGU	*\$7.00
2 x 6	14	.082	2 1/2	1 1/4	6		.....		.....	JYJMI	*\$7.50
2 1/4 x 6	16	.103	3	1 1/4	7		.....	JYNEU	*\$7.25	JYORS	*\$8.25
2 1/2 x 6	16	.128	3	1 1/4	8	JYJUR	7.00	JYNHO	7.50	JYOTO	8.50
2 3/4 x 6	16	.154	3 1/2	1 1/4	9	JYKAF	7.50	JYNIM	8.00	JYUOM	9.25
3 x 6	16	.184	3 1/2	1 1/4	10	JYKEX	7.75	JYNKI	8.50	JYOVK	9.75
3 1/2 x 6	16	.250	4	1 1/2	13	JYKIP	9.50	JYNOZ	10.50	JYOWI	12.25
4 x 6	16	.326	5	2	16	JYKNE	12.50	JYNUN	13.50	JYOZC	16.50
1 3/4 x 8	16	.083	2	1	5		.....		.....	JYKOC	*\$7.50
2 x 8	16	.109	2 1/2	1 1/4	6		.....		.....	JYKPA	*\$8.00
2 1/4 x 8	18	.138	3	1 1/4	8		.....	JYNYF	*\$8.00	JYPAA	*\$9.00
2 1/2 x 8	18	.170	3	1 1/4	9	JYKVO	7.75	JYOAB	8.25	JYPBY	9.25
2 3/4 x 8	18	.206	3 1/2	1 1/4	10	JYKYI	8.25	JYOBZ	8.75	JYPDU	10.00
3 x 8	18	.245	3 1/2	1 1/4	11	JYLAE	8.50	JYOCX	9.25	JYPES	10.50
3 1/2 x 8	18	.333	4	1 1/2	14	JYLCA	10.75	JYODV	11.75	JYPGO	13.25
4 x 8	18	.435	5	2	16	JYLDY	13.75	JYOET	15.00	JYPIK	17.75
1 3/4 x 10	18	.104	2	1	5		.....		.....	JYLEW	*\$8.00
2 x 10	18	.136	2 1/2	1 1/4	6 1/2		.....		.....	JYLFU	*\$8.50
2 1/4 x 10	20	.172	3	1 1/4	8		.....	JYOFR	*\$8.75	JYPII	*\$9.75
2 1/2 x 10	20	.213	3	1 1/4	9	JYLLI	8.50	JYOGP	9.00	JYPLE	10.00
2 3/4 x 10	20	.257	3 1/2	1 1/4	10	JYLOB	9.00	JYOHN	9.50	JYPOX	10.75
3 x 10	20	.306	3 1/2	1 1/4	11	JYLUP	9.25	JYOIL	10.00	JYPUL	11.25
3 1/2 x 10	20	.417	4	1 1/2	15	JYMAD	13.00		.....	JYPYD	15.50
4 x 10	20	.544	5	2	17	JYMEV	17.00		.....	JYQAZ	20.00
4 1/2 x 10	20	.688	6	2	22	JYMIN	20.00		.....		.....
5 x 10	20	.850	6	2 1/2	32	JYMOA	*\$28.00		.....		.....
6 x 10	20	1.224	7	3	41	JYMPY	*\$35.00		.....		.....

\*1 3/4", 2", 2 1/4", 5" and 6" Fig. 3205 Cylinders furnished only with Brass Seat in Lower Valve. Other sizes furnished with Brass instead of Glass Seat in Lower Valve when specified.

Longer Stroke Cylinders furnished on order only and at additional price. Length stroke given above is practical as an allowance of approximately 2 inches is made for clearance of Plunger. An extra charge will be made for Galvanized Caps.

When ordering, give diameter of cylinder, length of stroke and length of shell.

REPAIRS: See Pages 3 to 15, No. R40 Repair Catalog





# MYERS BRASS BODY CYLINDERS

With Patented Glass Valve Seat and Rubber Faced Poppet Valves

Fig. 3207



**T**HE Body of this Cylinder is heavy seamless brass tubing. Has extra heavy iron outside cylinder caps.

**LOWER VALVE SEAT** is the Myers Patented Glass Valve Seat; will not corrode, rust or accumulate a vitreous substance which would harden the leathers and cause the pump to lose priming.

**LOWER VALVE** is poppet pattern fitted with rubber face. The rubber is enclosed in a brass retainer to prevent spreading when under heavy pressure. Valve is held in place by a brass cage which also holds the glass seat firmly in position. Action of the valve is always perpendicular, rising clear of seat at each stroke, thus clearing itself of all foreign substance.

**PLUNGER**, Myers Single or Double Leather, has Iron Cage, Brass Follower and Valve Seat and Brass Poppet Wing Valve with Rubber Facing. The Rubber Facing on Valve is enclosed in the Brass to prevent squashing out of shape—See Fig. 3040. (Plunger stem lasts longer in Iron Cage than in Brass Cage).

Has  $\frac{1}{16}$ " Cold Drawn Polished Hard Steel Stem on  $3\frac{1}{2}$ " and Smaller Sizes.

Rod Coupling  $\frac{7}{16}$ " x  $\frac{3}{8}$ " x  $\frac{7}{16}$ "

4" Cylinders have  $\frac{1}{2}$ " Stem with  $\frac{1}{2}$ " x  $\frac{1}{2}$ " Coupling

Fig. 3207



Fig. 3071

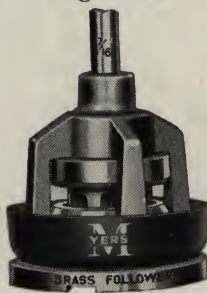
Myers Single  
Leather Plunger

Fig. 2909



Rod Coupling

Fig. 3202

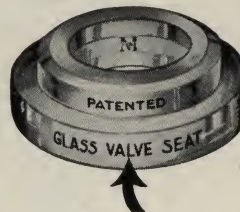
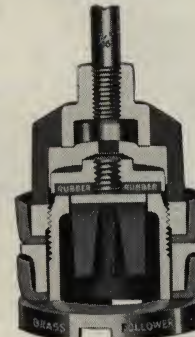
Patented  
Glass Valve Seat

Fig. 3040

Myers Double  
Leather Plunger

Inside Diam. and Length Stroke, Inches	Length Shell, Inches	Capacity per Stroke, Gallons	Can be Used in Well Diam. Inches	Tapped Size of Pipe in Inches	Weight Lbs.	Code	With Brass Fol- lower, Seat & Valve in Plunger. Iron Caps, Price	Code	With All Brass Plunger. Iron Caps Price
<b>With Fig. 3071 Single Leather Plungers.</b>									
2 1/2 x 6	10	.128	3 1/2	1 1/4	9	JYOER	\$ 6.50	JYROV	\$ 6.75
3 x 6	10	.184	4	1 1/4	11	JYQIJ	7.25	JYRUJ	7.50
3 1/2 x 6	10	.250	4 1/2	1 1/2	15	JYQNY	8.50	JYRYB	9.25
4 x 6	10	.326	5	2	18	JYQOW	10.75	JYSAX	11.75
<b>With Fig. 3040 Double Leather Plungers.</b>									
2 1/2 x 6	12	.128	3 1/2	1 1/4	11	JYQPU	7.00	JYSEP	7.50
3 x 6	12	.184	4	1 1/4	13	JYQSO	7.75	JYSIH	8.50
3 1/2 x 6	12	.250	4 1/2	1 1/2	17	JYQUK	9.50	JYSOU	10.50
4 x 6	12	.326	5	2	20	JYQVI	12.50	JYSRO	13.50
2 1/2 x 8	14	.170	3 1/2	1 1/4	12	JYQXE	7.75	JYSUI	8.25
3 x 8	14	.245	4	1 1/4	14	JYQYC	8.50	JYSWE	9.25
3 1/2 x 8	14	.333	4 1/2	1 1/2	18	JYRAY	10.75	JYSYA	11.75
4 x 8	14	.435	5	2	20	JYRCU	13.75	JYSZY	15.00
2 1/2 x 10	16	.213	3 1/2	1 1/4	13	JYREQ	8.50	JYTAW	9.00
3 x 10	16	.306	4	1 1/4	15	JYRFO	9.25	JYTBU	10.00
3 1/2 x 10	16	.417	4 1/2	1 1/2	19	JYRII	13.00	.....	.....
4 x 10	16	.544	5	2	21	JYRKE	17.00	.....	.....

If ordered with Brass Seat, Perfection Seat will be furnished.

Length stroke given above is practical, as an allowance of approximately 2 inches is made for clearance of Plunger.

Longer Stroke Cylinders furnished on order only and at additional price.

An extra charge will be made for Galvanized Caps.

When ordering, give diameter of Cylinder, length of stroke and length of shell.

**REPAIRS:** See Pages 3 to 15, No. R40 Repair Catalog

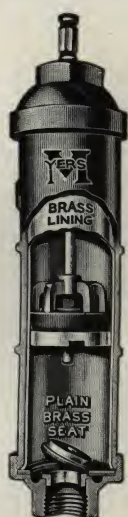




# MYERS BRASS LINED AND POLISHED IRON CYLINDERS

*With Plain Brass Valve Seat and Leather Check Valve*

**Fig. 2079**  
Brass Lined  
Plain Brass Seat



**Fig. 3074**



Single Leather  
Plunger

**Fig. 3075**



Double Leather  
Plunger



Rod  
Coupling



**Fig. 710**



Single Leather  
Plunger

**Fig. 869**



Double Leather  
Plunger

**Fig. 2080**  
Polished Iron  
Plain Brass Seat



Has  $\frac{3}{8}$ " Cold Drawn Polished Hard Steel Stem on  $3\frac{1}{2}$ " and Smaller Sizes

Rod Coupling  $\frac{3}{8}$ " x  $\frac{3}{8}$ " x  $\frac{7}{16}$ "

4" Cylinders Have  $\frac{1}{2}$ " Stem with  $\frac{1}{2}$ " x  $\frac{1}{2}$ " Coupling

## PRICE LIST, Figs. 2079 and 2080

Inside Diam. and Length Stroke, Inches	Length Shell, Inches	Capacity per Stroke, Gallons	Can be Used in Well Diam., Inches	Weight Lbs.	Code	Fig. 2079 With Brass Follower, Seat & Valve in Plunger Price	Weight Lbs.	Code	Fig. 2080 Polished Iron. All Iron Plunger Price
<b>With Fig. 3074 Single Leather Plungers.</b>									
$2\frac{1}{2}$ x 6	10	.128	4	$9\frac{1}{2}$	JEVBY	\$ 5.25	$8\frac{1}{2}$	JAJO	\$ 2.75
3 x 6	10	.184	$4\frac{1}{2}$	$11\frac{1}{2}$	JEVDU	5.75	11	JAKAH	2.75
$3\frac{1}{2}$ x 6	10	.250	5	$14\frac{1}{2}$	JEVIK	7.00	$15\frac{1}{2}$	JAKEZ	4.00
4 x 6	10	.326	6	17	JEVYD	8.75	17	JAKIR	5.00
<b>With Fig. 3075 Double Leather Plungers.</b>									
$2\frac{1}{2}$ x 6	12	.128	4	11	JEZAW	5.75	$11\frac{1}{2}$	JICRO	3.75
3 x 6	12	.184	$4\frac{1}{2}$	$15\frac{1}{2}$	JEZHI	6.25	14	JICYA	4.00
$3\frac{1}{2}$ x 6	12	.250	5	16	JEZLA	7.50	16	JIDAW	5.25
4 x 6	12	.326	6	20	JEZOT	9.75	20	JIDHI	6.50
$2\frac{1}{2}$ x 8	14	.170	4	11	JEZUH	6.00	12	JIDIG	4.00
3 x 8	14	.245	$4\frac{1}{2}$	14	JIBAY	6.75	15	JIDLA	4.25
$3\frac{1}{2}$ x 8	14	.333	5	$16\frac{1}{2}$	JIBFO	8.50	18	JIDOT	5.75
4 x 8	14	.435	6	21	JIBKE	10.75	$22\frac{1}{2}$	JIDUH	7.25
$2\frac{1}{2}$ x 10	16	.213	4	13	JIBOV	6.50	$14\frac{1}{2}$	JIFDO	4.25
3 x 10	16	.306	$4\frac{1}{2}$	$15\frac{1}{2}$	JIBUJ	7.25	17	JIFEM	4.50
$3\frac{1}{2}$ x 10	16	.417	5	$19\frac{1}{2}$	JICEP	9.25	$21\frac{1}{2}$	JAKWO	6.25
4 x 10	16	.544	6	24	JICIH	11.75	24	JALAG	8.00

Length stroke given above is practical as an allowance of approximately  $2\frac{1}{2}$  inches is made for clearance of Plunger.

When ordering, give diameter of Cylinder, length of stroke and length of shell.

REPAIRS: See Pages 3 to 15, No. R40 Repair Catalog





# THE MYERS FAULTLESS CYLINDER

*With Self-Cleaning Beveled Brass Valve Seat and Bevel Faced Rubber Poppet Valve*

NOISELESS

SMOOTH

EFFICIENT

Fig. 2864



**FIGS. 2864 and 2865** illustrate Myers Faultless Cylinder with the Faultless Self-Cleaning Bevel Check Valve and Seat designed for Deep Well use, a Strong, Rugged Cylinder.

**THE SHELL** is made of Close Grained Gray Iron lined with Seamless Drawn Brass, or with Seamless Drawn Hard Brass Tubing with Iron or Brass Caps.

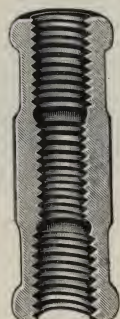
**LOWER VALVE SEAT** is all Brass with **Raised Bevel Seat** making it impossible for sediment or other foreign substance to lodge on the Seat, (Self-Cleaning.) This Seat is securely held in position by the Lower Cap.

**LOWER VALVE** is all Brass, with Bevel Shaped Rubber Facing encased in brass to prevent squashing under a heavy load. Has Spiral Shaped Wing Guides, causing a rotary motion insuring even wear.

**PLUNGER**, Single or Double Leather, has Brass Follower and Valve Seat and Brass Poppet Wing Valve with Rubber Facing. The Rubber Facing on Valve is enclosed in the Brass to prevent squashing out of shape—See Fig. 3040. (Plunger stem lasts longer in Iron Cage than in Brass Cage).

Has  $\frac{7}{16}$ " Cold Drawn Polished Hard Steel Stem on  $3\frac{1}{2}$ " and Smaller Sizes  
**Rod Coupling**  $\frac{7}{16}$ " x  $\frac{3}{8}$ " x  $\frac{7}{16}$ "  
**4" Cylinders Have  $\frac{1}{2}$ " Stem with  $\frac{1}{2}$ " x  $\frac{1}{2}$ " Coupling**

Fig. 2865



Rod Coupling

Fig. 2868

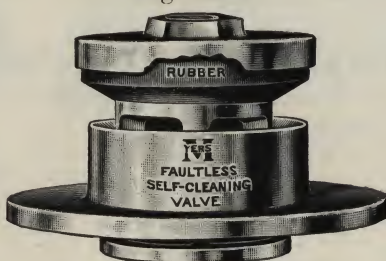
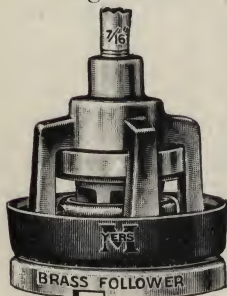


Fig. 2955



Valve Assembly — Fig. 2868 for Brass Lined Cylinders. Fig. 2955 for Brass Body Cylinders.

Fig. 3071



Myers Single Leather Plunger

Used on 10" Brass Lined and 12" Brass Body Shells, 6" Stroke only.

Fig. 3039

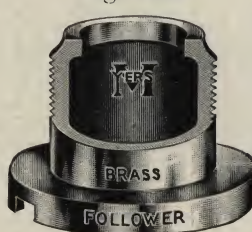
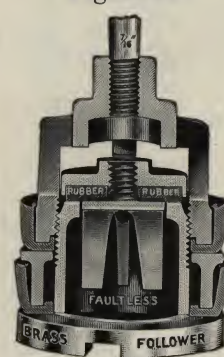


Fig. 3039 illustrates the **BRASS FOLLOWER** and **VALVE SEAT**.

Fig. 3040



Myers Double Leather Plunger

Used on 12" and longer Brass Lined and 14" and longer Brass Body Shells, 6, 8 and 10" Stroke.

**REPAIRS:** See Pages 10 and 11, No. R40 Repair Catalog





# THE MYERS FAULTLESS CYLINDER

*With Faultless Self-Cleaning Beveled Brass Seat and Bevel Faced Rubber Poppet Valve*

Plungers Have Brass Follower, Brass Valve Seat, and Valve with Rubber Face

## PRICE LIST, Brass Lined Cylinder, Fig. 2864

Inside Diam. and Length Stroke Inches	Length Shell, Inches	Capacity per Stroke, Gallons	Can be Used in Well Diam., Inches	Tapped Size of Pipe in Inches	Weight Lbs.	Code	With Brass Follower, Seat & Valve in Plunger Price	Code	With All Brass Plunger Price	Code	All Brass Price
<b>With Fig. 3071 Single Leather Plungers.</b>											
2½x 6	10	.128	4	1¼	10	JEBOR	\$ 6.00	JILKU	\$ 6.25	.....	.....
3 x 6	10	.184	4½	1¼	12½	JECAT	6.50	JILOL	6.75	.....	.....
3½x 6	10	.250	5	1½	16	JECID	7.50	JILUZ	8.25	.....	.....
4 x 6	10	.326	6	2	18	JECWA	9.75	JUGIP	10.75	.....	.....
<b>With Fig. 3040 Double Leather Plungers.</b>											
2½x 6	12	.128	4	1¼	12	JEDAS	6.50	JUGNE	7.00	.....	.....
3 x 6	12	.184	4½	1¼	14½	JEDEK	7.00	JUGOC	7.75	.....	.....
3½x 6	12	.250	5	1½	17½	JEDFI	8.75	JUGVO	9.75	.....	.....
4 x 6	12	.326	6	2	20½	JEDIC	11.00	JUHDY	12.25	.....	.....
2½x 8	14	.170	4	1¼	12½	JEDKY	7.00	JUHEW	7.50	.....	.....
3 x 8	14	.245	4½	1¼	15	JEDMU	7.50	JUHOB	8.25	.....	.....
3½x 8	14	.333	5	1½	18½	JEDOP	10.00	JUJAC	11.00	.....	.....
4 x 8	14	.435	6	2	22	JEFBO	12.50	JUJBA	13.75	.....	.....
2½x10	16	.213	4	1¼	13	JEFLU	7.50	JUJHO	8.00	.....	.....
3 x10	16	.306	4½	1¼	17	JEFON	8.50	JUJIM	9.00	.....	.....
3½x10	16	.417	5	1½	21	JEFUB	11.00	JUJKI	12.00	.....	.....
4 x10	16	.544	6	2	25	JEGAP	14.00	JUJOZ	15.50	.....	.....

## PRICE LIST, Brass Body Cylinder, Iron Caps, Fig. 2865

<b>With Fig. 3071 Single Leather Plungers.</b>											
2½x 6	12	.128	3	1¼	7	JEGIZ	\$ 6.50	JUKAB	\$ 6.75	JXBUY	\$ 7.75
2¾x 6	12	.154	3½	1¼	8	JEGNO	7.00	JUKET	7.25	JXCEE	8.50
3 x 6	12	.184	3½	1¼	9	JEGOM	7.25	JUKOY	7.50	JXDOI	8.75
3½x 6	12	.250	4	1½	12	JEHDI	8.50	JUKTO	9.25	JXDYO	11.00
4 x 6	12	.326	5	2	15	JEHHA	10.75	JUKUM	11.75	JXEAK	14.75
<b>With Fig. 3040 Double Leather Plungers.</b>											
2½x 6	14	.128	3	1¼	8	JEHOL	7.00	JULBY	7.50	JUNOV	8.50
2¾x 6	14	.154	3½	1¼	9	JEJAM	7.50	JULDU	8.00	JUPAW	9.25
3 x 6	14	.184	3½	1¼	10	JEJGA	7.75	JULES	8.50	JUPHI	9.75
3½x 6	14	.250	4	1½	13	JEJMO	9.50	JULIK	10.50	JJUAT	12.25
4 x 6	14	.326	5	2	16	JEKAL	12.50	JULUL	13.50	JWUEL	16.50
2½x 8	16	.170	3	1¼	9	JEKED	7.75	JUMAZ	8.25	JUPIG	9.25
2¾x 8	16	.206	3½	1¼	10	JEKIV	8.25	JUMER	8.75	JUPLA	10.00
3 x 8	16	.245	3½	1¼	11	JEKTY	8.50	JUMOW	9.25	JUPOT	10.50
3½x 8	16	.333	4	1½	14	JEKUW	10.75	JUMUK	11.75	JWUID	13.25
4 x 8	16	.435	5	2	17	JELAK	13.75	JUNAY	15.00	JWUPO	17.75
2½x10	18	.213	3	1¼	10	JELBI	8.50	JUNFO	9.00	JWUSI	10.00
2¾x10	18	.257	3½	1¼	11	JELDE	9.00	JUNKE	9.50	JWUUE	10.75
3 x10	18	.306	3½	1¼	12	JELGY	9.25	JUNMA	10.00	JWUWA	11.25
3½x10	18	.417	4	1½	15	JELOH	13.00	JWTAU	14.00	JWUXY	15.50
4 x10	18	.544	5	2	18	JELUV	17.00	JWTIE	18.50	JWUYW	20.00
2½x12	20	.255	3	1¼	11	JXROU	9.25	JXUGI	9.75	JXUUF	10.75
2¾x12	20	.309	3½	1¼	12	JXRUI	9.75	JXUIE	10.25	JXYBO	11.50
3 x12	20	.367	3½	1¼	13	JXRYA	10.00	JXUKA	10.75	JXYEI	12.00
3½x12	20	.500	4	1½	16	JXUDO	15.50	JXULY	16.50	JXYGE	18.00
4 x12	20	.653	5	2	19	JXUEM	20.00	JXUOR	21.50	JXYIA	24.00

Longer Stroke Brass Body or All Brass Cylinders furnished on order only and at additional price.

Length stroke given above is practical as an allowance of approximately 3 inches is made for clearance of Plunger. 3½" and Smaller Diameter Cylinders Have 7/16" x 3/8" x 7/16" Rod Coupling. 4" Has 1/2" x 1/2" Rod Coupling.

An extra charge will be made for Galvanized Caps.

When ordering, give diameter of Cylinder, length of stroke and length of shell.

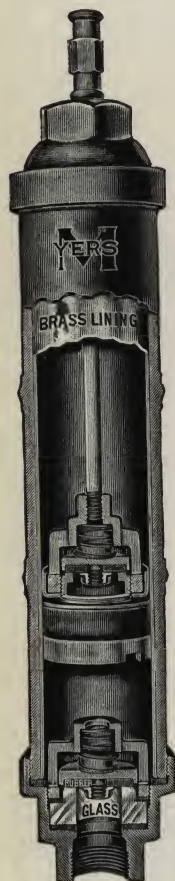
REPAIRS: See Pages 10 and 11, No. R40 Repair Catalog





# MYERS Q. C. VALVE CYLINDERS

Fig. 2458



*With Quick Closing Spring Cushion Poppet Valves  
and Patented Glass Valve Seat*

**Plungers Have Brass Follower, Brass Valve Seat, and Valve  
With Rubber Face**

FIGS. 2458 and 2459 illustrate the Myers Q. C. Valve Brass Body or Brass Lined Cylinder with close grained Cast Iron Shell for strength, lined with Seamless Drawn Hard Brass Tubing for wearing quality, fitted with Myers Quick Closing Spring Cushion Poppet Valves in both Plunger and Check Valve. The Rubber Valve Facing is completely encased in metal to prevent it from squashing out of its original shape when under a heavy load—Noiseless, Smooth, and Efficient.

Fig. 2459

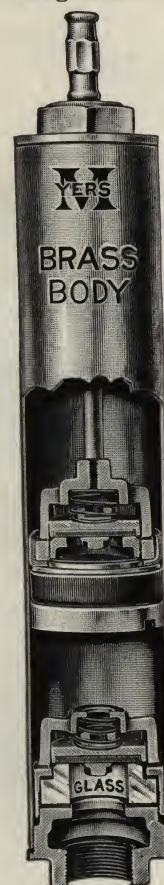


Fig. 2465

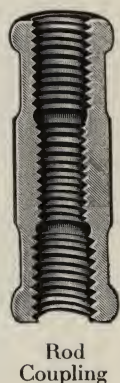
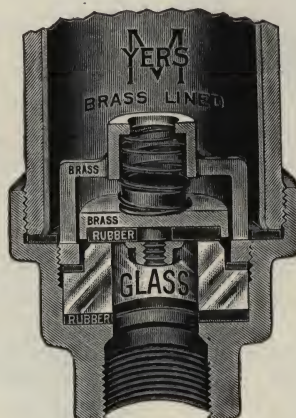
Rod  
Coupling

Fig. 2465 is an enlarged view of the Lower Cap, showing in detail the Phosphor Bronze Spring above the Brass Check Valve. Note the Rubber Valve Facing completely encased in the Valve. The above in connection with the Myers Non-Corrosive Glass Seat certainly makes a good Cylinder.

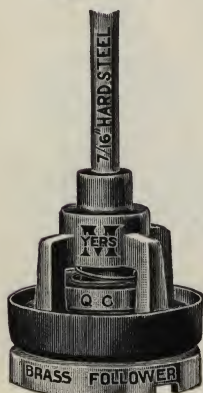
The regular Plunger has Brass Follower and Valve Seat with Rubber Facing or an All Brass Plunger.

Has  $\frac{7}{16}$ " Cold Drawn Polished Hard Steel Stem on  $3\frac{1}{2}$ " and Smaller Sizes

Rod Coupling,  $\frac{7}{16}$ " x  $\frac{3}{8}$ " x  $\frac{1}{16}$ "

4" Cylinders Have  $\frac{1}{2}$ " Stem with  $\frac{1}{2}$ " x  $\frac{1}{2}$ " Coupling

Fig. 3072



Single Leather Plunger

Fig. 3039

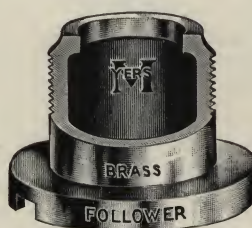
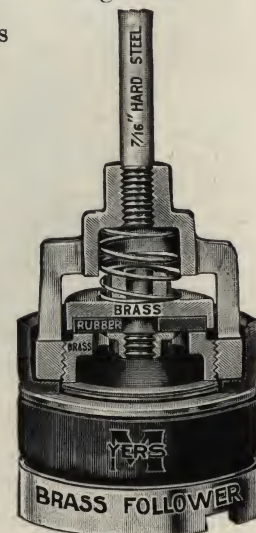


Fig. 3039 illustrates the BRASS FOL-  
LOWER and VALVE SEAT.

Fig. 3073



Double Leather Plunger





# MYERS Q. C. VALVE CYLINDERS

*With Quick Closing Spring Cushion Poppet Valves  
and Patented Glass Valve Seat*

Plungers Have Brass Follower, Brass Valve Seat, and Valve with Rubber Face

## PRICE LIST, Brass Lined Cylinder, Fig. 2458

Inside Diam. and Length Stroke Inches	Length Shell, Inches	Capacity per Stroke, Gallons	Can be Used in Well Diam., Inches	Tapped Size of Pipe in Inches	Weight Lbs.	Code	With Brass Follower, Seat & Valve in Plunger Price	Code	With All Brass PLUNGER Price	Code	All Brass Price
<b>With Fig. 3072 Single Leather Plungers.</b>											
2 1/2 x 6	10	.128	4	1 1/4	10	JATUJ	\$ 6.50	JWAUY	\$ 6.75	.....	.....
3 x 6	10	.184	4 1/2	1 1/4	12 1/2	JAVAW	7.00	JWAWU	7.25	.....	.....
3 1/2 x 6	10	.250	5	1 1/2	16	JAVBU	8.25	JWAYQ	9.00	.....	.....
4 x 6	10	.326	6	2	18	JAVHI	10.75	JWAZO	11.75	.....	.....
<b>With Fig. 3073 Double Leather Plungers.</b>											
2 1/2 x 6	12	.128	4	1 1/4	12	JVZUY	7.00	JWBEE	7.50	.....	.....
3 x 6	12	.184	4 1/2	1 1/4	14 1/2	JWAAN	7.50	JWCOI	8.25	.....	.....
3 1/2 x 6	12	.250	5	1 1/2	17 1/2	JWAEF	9.50	JWCYO	10.50	.....	.....
4 x 6	12	.326	6	2	20 1/2	JWAIX	12.00	JWDIU	13.25	.....	.....
2 1/2 x 8	14	.170	4	1 1/4	12 1/2	JWAOK	7.50	JWEAJ	8.00	.....	.....
3 x 8	14	.245	4 1/2	1 1/4	15	JWAPI	8.00	JWEEB	8.75	.....	.....
3 1/2 x 8	14	.333	5	1 1/2	18 1/2	JWARE	10.75	JWEIT	11.75	.....	.....
4 x 8	14	.435	6	2	22	JWATA	13.50	JWEIN	14.75	.....	.....
2 1/2 x 10	16	.213	4	1 1/4	13	JAVIG	8.00	JWEOG	8.50	.....	.....
3 x 10	16	.306	4 1/2	1 1/4	17	JAVLA	9.00	JWEPE	9.50	.....	.....
3 1/2 x 10	16	.417	5	1 1/2	21	JAVMY	11.75	JWERA	12.75	.....	.....
4 x 10	16	.544	6	2	25	JAVOT	15.00	JWESY	16.50	.....	.....

## PRICE LIST, Brass Body Cylinder, Iron Caps, Fig. 2459

<b>With Fig. 3072 Single Leather Plungers.</b>											
2 1/2 x 6	14	.128	3	1 1/4	7	JAWUG	\$ 7.00	JWINE	\$ 7.25	JWOOW	\$ 8.25
2 3/4 x 6	14	.154	3 1/2	1 1/4	8	JAWVE	7.50	JWIDC	7.75	JWOPU	9.00
3 x 6	14	.184	3 1/2	1 1/4	9	JAYAT	7.75	JWIPA	8.00	JWOSO	9.25
3 1/2 x 6	14	.250	4	1 1/2	12	JAYEL	9.25	JWIOY	10.00	JWOUK	11.75
4 x 6	14	.326	5	2	15	JAYID	11.75	JWISU	12.75	JWOVI	15.75
<b>With Fig. 3073 Double Leather Plungers.</b>											
2 1/2 x 6	16	.128	3	1 1/4	8	JWEUU	7.50	JWIUQ	8.00	JWOXE	9.00
2 3/4 x 6	16	.154	3 1/2	1 1/4	9	JWEXO	8.00	JWJAE	8.50	JWOYC	9.75
3 x 6	16	.184	3 1/2	1 1/4	10	JWEYM	8.25	JWJIO	9.00	JWPAY	10.25
3 1/2 x 6	16	.250	4	1 1/2	13	JWFAT	10.25	JWKOA	11.25	JWPPI	13.00
4 x 6	16	.326	5	2	16	JWFEA	13.50	JW KUO	14.50	JWQOU	17.50
2 1/2 x 8	18	.170	3	1 1/4	9	JWG OE	8.25	JWLEU	8.75	JWQUI	9.75
2 3/4 x 8	18	.206	3 1/2	1 1/4	10	JWHEY	8.75	JWMOY	9.25	JWQYA	10.50
3 x 8	18	.245	3 1/2	1 1/4	11	JWIAF	9.00	JWMEY	9.75	JWREO	11.00
3 1/2 x 8	18	.333	4	1 1/2	14	JWIEX	11.50	JWNAA	12.50	JWXIA	14.00
4 x 8	18	.435	5	2	17	JWIIP	14.75	JWOAZ	16.00	JWYAP	18.75
2 1/2 x 10	20	.213	3	1 1/4	10	JAZAS	9.00	JWOER	9.50	JWYEH	10.50
2 3/4 x 10	20	.257	3 1/2	1 1/4	11	JAZ EK	9.50	JWOIJ	10.00	JWYIZ	11.25
3 x 10	20	.306	3 1/2	1 1/4	12	JAZFI	9.75	JWONY	10.50	JWYNO	11.75
3 1/2 x 10	20	.417	4	1 1/2	15	JAZKY	13.75	JWUZU	14.75	JWYOM	16.25
4 x 10	20	.544	5	2	18	JAZMU	18.00	JWXEI	19.50	JWYQI	21.00

3 1/2 Inch and Smaller Diameter Cylinders Have 7/16" x 3/8" x 7/16" Rod Coupling, 4" Has 1/2" x 1/2" Rod Coupling.

Longer Stroke Brass Body or All Brass Cylinders furnished on order only and at additional price.

Length stroke given above is practical as an allowance of approximately 3 inches is made for clearance of Plunger.

An extra charge will be made for Galvanized Caps.

When ordering, give diameter of Cylinder, length of stroke and length of shell.

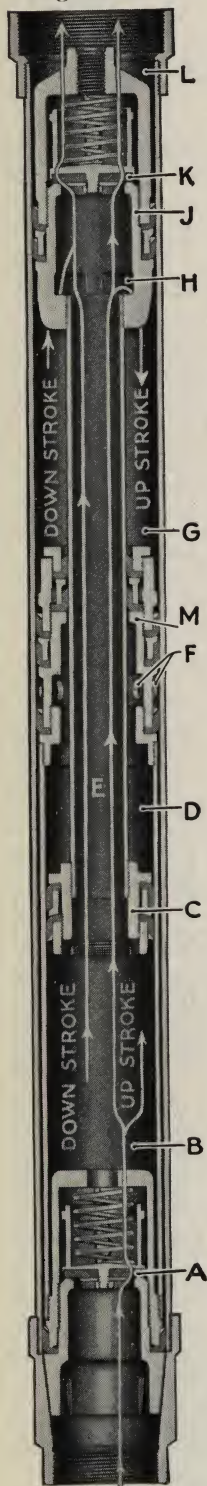
REPAIRS: See Pages 8 and 9, No. R40 Repair Catalog





# THE MYERS DOUBLE ACTING WORKING BARREL

Fig. 3102



*All Brass or Brass Lined*

PATENTS APPLIED FOR

With Quick Closing Spring Cushion Pop-Spool Valves

Two Leather All Brass Plunger

A new and practical Double Acting Working Barrel that permits of both Plunger and Lower Check Valve being placed or withdrawn through the discharge pipe without screwing or unscrewing any of the joints or connections. Just drop it in or pull it out and there you are—all set.

Fig. 3102 illustrates the Working Barrel complete. Fig. 3146 illustrates the Plunger and Lower Check Valve removed from the Working Barrel Shell.

For complete description see opposite page.

When using the Myers, a larger diameter Double Acting Working Barrel can be used in the same diameter well than that of any other make, hence, the Myers Double Acting Working Barrel *will actually deliver more water from small diameter wells*. This is accomplished through the use of an Inner Tube instead of an Outside By-Pass which requires more space and naturally a smaller diameter cylinder or a larger well pipe.

The Myers Double Acting Working Barrel has large ports, open and direct water ways and is fitted with Myers Q. C. Valves. No rivets, set screws, bolts or other loose parts to cause trouble.

The Upper Cap is tapped the same size as the Drop Pipe. The Lower Cap is tapped for two sizes smaller Pipe than the Drop Pipe.

This DOUBLE ACTING WORKING BARREL should be placed below low water level wherever it is possible to do so. Do not use a tail or suction pipe unless *positively necessary*, on account of a smaller sized drill hole below the Cylinder, as it causes too much friction in the water entering the Cylinder, for the reason that *all* of the water for both up and down strokes enters through the Lower Check Valve on the up stroke only. If positively necessary to use a tail pipe below the Working Barrel, **DO NOT** reduce the size of this pipe below the size of the tapping in the Lower Cap.

Adapted to the use of "Rectangular" Wood Pump Rod, with Flat Steel Plate with Screwed Joints, Fig. 2762. (See next page) Or Heavy Wrought Iron Pipe Pump Rod with Semi-Steel Guide. Couplings, Fig. 2704.

**Rectangular Wood Rod is Recommended**

A Double Acting Working Barrel equalizes its own load and should be used in connection with a Power Head equipped with a regular piston rod and stuffing box in preference to one fitted with a plunger tube or differential piston.

Fig. 3146



ALL WORKING PARTS CAN BE WITHDRAWN WITHOUT DISTURBING THE DROP PIPE

REPAIRS: See Pages 34 to 39, No. R40 Repair Catalog





# THE MYERS DOUBLE ACTING WORKING BARREL

## Patents Applied For

**OPERATION** of Fig. 3102 Double Acting Working Barrel. The plungers (J) and (C) move together, being connected by the tube (E), while the seal or packing assembly (M) remains stationary. The upward movement of plungers (J) and (C) will draw water through valve (A) into space (B) and through tube (E) and ports (H) into space (G). At the same time plunger (J), because of its valve (K) being closed, lifts the water in space (L) upward into the well pipe.

On the down stroke check valve (A) is closed and plunger (C) forces water from space (B) through tube (E) and plunger valve (K) and at the same time the water from space (G) passes upward through ports (H) and plunger (K) into space (L).

In addition, the upward movement of plunger (C) will force air or water from space (D) through breather ports (F) and on the downward movement

will draw air or water in through breather ports (F) filling space (D), thus eliminating a vacuum in space (D).

**INSTALLATION:** Remove the Plunger and Check Valve. Attach the Cylinder Shell of the Working Barrel to the Well Pipe and lower into the well in the regular way. When connection to Pump Head is completed, you are ready to install the Plunger. Connect the Plunger to a section of the Pump Rod and screw tight. Add rod until Check Valve reaches the bottom of the Working Barrel, where it enters its seat. (The Check Valve must be forced into the tapered seat so that it holds tight and stays there.) No turning of Pump Rod to connect or disconnect as is necessary in all other Working Barrels, either Double or Single Acting. To remove the Plunger and Check just pull them out.

### Rectangular Wood Rod and Couplings

Fig. 2762



This Style of Pump Rod Recommended. See Price List Page 207

**Length Stroke:** Provision is made for a clearance of 6 inches for the Plunger

### PRICE LIST, Fig. 3102, All Brass or Brass Lined Shell

Size Drop Pipe In.	Cyl. Inside Diam. & Length Stroke, Inches	Length Shell, Inches	Capac. in Gallons Each Rev.	Plunger Fitted for Box & Pin Inches	Smallest Diam. Well Can be Used in Inches	Weight Lbs. All Brass	All Brass		Brass Lined Shell			Fig. 3146 Plunger & Check Valve Complete Price	
							Code	Price	Length Barrel, Inches	Code	Price		Code
2	1 13/16x6	38 1/2	.11	5/8	3	20	JYAIZ	\$ 27.75	41	JYCIX	\$ 26.25	JYEKR	\$ 20.00
2	1 13/16x12	50 1/2	.22	5/8	3	22	JYALT	32.50	53	JYCOK	31.00	JYELP	21.00
2 1/2	2 1/4x6	39	.17	5/8	3 1/2	25	JYANO	37.75	43	JYCPI	35.75	JYENK	28.50
2 1/2	2 1/4x12	51	.34	5/8	3 1/2	31	JYAOM	44.00	55	JYCRE	42.00	JYEOI	29.50
2 1/2	2 1/4x18	63	.51	5/8	3 1/2	36	JYAPK	49.25	67	JYCTA	47.25	JYEPG	30.50
3	2 3/4x 6	41 1/2	.256	7/8	4 1/2	38	JYARG	49.25	45	JYCUY	46.25	JYERC	38.00
3	2 3/4x12	53 1/2	.512	7/8	4 1/2	41	JYASE	55.50	57	JYCWU	52.50	JYESA	39.50
3	2 3/4x18	65 1/2	.768	7/8	4 1/2	46	JYAUA	60.75	69	JYCZO	57.75	JYETY	41.00
3	2 3/4x24	77 1/2	1.02	7/8	4 1/2	52	JYAVY	67.00	81	JYDAM	64.00	JYEUV	42.50
3 1/2	3 1/4x12	53 1/2	.722	7/8	5	51	JYBAO	75.50	59	JYDCI	71.50	JYEVU	56.75
3 1/2	3 1/4x18	65 1/2	1.083	7/8	5	59	JYBDI	82.75	71	JYDGA	78.75	JYEWS	58.75
3 1/2	3 1/4x24	77 1/2	1.44	7/8	5	67	JYBEG	91.25	83	JYDHY	87.25	JYFAK	60.75
4	3 3/4x12	55	.955	1 1/8	6	68	JYBFE	92.25	61	JYDIW	87.25	JYFBI	68.25
4	3 3/4x18	67	1.433	1 1/8	6	75	JYBHA	102.50	73	JYDJU	97.50	JYFDE	71.25
4	3 3/4x24	79	1.91	1 1/8	6	82	JYBIY	113.00	85	JYDMO	108.00	JYFEC	74.25
5	4 3/4x12	59	1.54	1 1/8	7	102	JYBKU	161.50	64	JYDOJ	153.50	JYFOH	131.25
5	4 3/4x18	71	2.31	1 1/8	7	110	JYBOL	173.00	76	JYDUX	165.00	JYGEB	135.25
5	4 3/4x24	83	3.08	1 1/8	7	118	JYBUZ	184.50	88	JYEAL	176.50	JYEIV	139.25

Plungers fitted for Pipe Pump Rod if Specified on order.

Weights: For Brass Lined Shell add 40% to above All Brass weights

ALL WORKING PARTS CAN BE WITHDRAWN WITHOUT DISTURBING THE DROP PIPE

Complete Sets of Replacement Cup Leathers put up in Cartons

When ordering give diameter of cylinder and length of stroke. Also state if All Brass or Brass Lined Shell.

REPAIRS: See Pages 34 to 39, No. R40 Repair Catalog



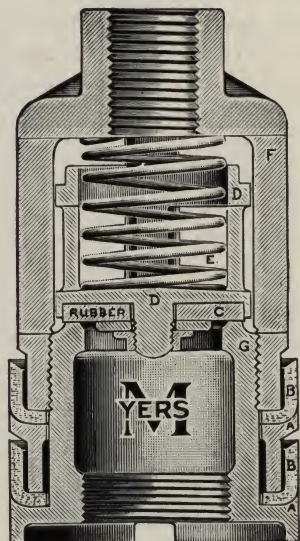


# THE MYERS Q. C. PLUNGER AND CHECK VALVE

## All Brass

As Used In All Myers Working Barrels

Fig. 2489



Plunger

Fig. 2512

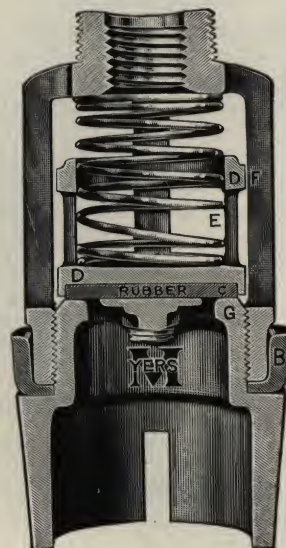


Ball Valve

Fig. 2502

Pop-Spool  
Valve

Fig. 2998



Lower Check Valve

**NEW** Designs throughout—an entirely New Departure in Plunger and Check Valve construction, extremely Simple, Efficient and Smooth in operation. ALL PARTS INTERCHANGE on POP-SPOOL and BALL VALVES.

Figs. 2489 and 2998 illustrate the Pop-Spool Plunger and Lower Check Valve cut in half showing all details. The Valves interchange.

### Note the Special Features

(A). Curved Metal Support at the Base of each Cup Leather, which holds the Leather to its original shape or form, causing the upper edge of the Leather only, to come in contact with the Cylinder Wall. Triples the life of the Leather as against a flat metal surface at this point. When a flat surface is used, the Leather flattens out at the Base or Curve and when coming in contact with the Cylinder Wall at this point wears through. Result: loss of efficiency.

(B). The Cup Leather, is made from strictly oak tanned stock of even thickness.

(C). Special Vulcanized Rubber Facing, fully enclosed in Check Valve to prevent spreading under heavy load, (See Fig. 2502). Live Rubber expels Sand and forms a perfect Seat.

(D). Valve—Poppet style of sufficient height to prevent cocking and enough clearance to eliminate clogging with Sand. (Pop-Spool and Ball Valves interchange in same Cage and used on same Seat.)

(E). Phosphor Bronze Spring (will not rust or corrode). Quick Closing prevents the Valve from rising beyond the point absolutely necessary for the passage of the Water. Reduces slippage or loss of Water.

(F). Cage—Extra Strong and Well Braced to withstand heavy and hard service.

(G). Follower and Valve Seat made in different lengths to accommodate two, three or four Leathers. The Pop-Spool Plunger has two or three Leathers. The Ball Valve plunger has three or four Leathers.

Ball Valve Plungers are exactly the same in every particular as the Pop-Spool Plungers with the exception of the Valves, and these are interchangeable in every way.

The Check Valve is identical with the Plunger. The Cages and Valves interchange.

In operation the Phosphor Bronze Spring above the Valves prevents them from rising beyond the point absolutely necessary for the passage of the water, after which the Valves are immediately returned to their Seats, preventing slippage or loss of water between the Valves and Seats. Note the Cushion, Phosphor Bronze Spring above and a special Rubber Facing underneath, eliminating hammering and consequent wear. Noiseless, Smooth and Efficient. Will pump more water with the same power than any other style of Valve.





# THE MYERS Q. C. PLUNGERS AND CHECK VALVES

## All Brass

PATENTED

As Used In All Myers Working Barrels

ON this page we illustrate the Plungers and Check Valves now used in all Myers Working Barrels for Power Driven Pumps. New Designs throughout. An entirely New Departure in Plunger and Check Valve construction. Extremely Simple, Efficient and Smooth in operation. All Parts Interchange on Pop-Spool and Ball Valves. This means if you have one style of Valve in your Well and

want to change to the other, all that is necessary is to remove the Valve you now have and replace with the other. Remove the Ball and put in the Pop-Spool and Spring and vice versa. **Economical.** The Pop-Spool is so constructed that it combines the old Poppet Valve and the Spool Valve by shortening the Spool, and in this way we eliminate one Working Barrel.

### Pop-Spool Plungers and Check Valve

Fig. 2496  
JIMAN  
Check Valve  
Pop-Spool



Fig. 2497  
JIMEF  
2 Leather Plunger  
Pop-Spool Valve



Fig. 2498  
JIMOK  
3 Leather Plunger  
Pop-Spool Valve



### Price List

Diameter	1 $\frac{3}{16}$ "	2 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	3 $\frac{1}{4}$ "	3 $\frac{3}{4}$ "	4 $\frac{3}{4}$ "	5 $\frac{3}{4}$ "
Fig. 2496	\$ 2.10	\$ 3.15	\$ 4.75	\$ 7.35	\$10.50	\$20.00	\$34.50
Fig. 2497	2.10	3.15	4.75	8.40	12.60	24.25	40.00
Fig. 2498	3.45	4.75	6.80	10.50	15.75	28.50	46.25

Spool Valves, Figs. 2951 and 2952 can be furnished for 1 $\frac{3}{16}$ ", 2 $\frac{1}{4}$ ", and 2 $\frac{3}{4}$ " sizes only at same price as Pop Spool Valves. See Page 78.

Fig. 2499  
JIMPI  
Check Valve  
Ball



Fig. 2500  
JIMTA  
3 Leather Plunger  
Ball Valve



Fig. 2501  
JIMUY  
4 Leather Plunger  
Ball Valve



### Ball Valve Plungers and Check Valve

### Price List

Diameter	1 $\frac{3}{16}$ "	2 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	3 $\frac{1}{4}$ "	3 $\frac{3}{4}$ "	4 $\frac{3}{4}$ "	5 $\frac{3}{4}$ "
Fig. 2499	\$ 2.10	\$ 3.15	\$ 5.25	\$ 8.40	\$12.60	\$23.00	\$38.00
Fig. 2500	3.45	4.75	7.35	11.50	17.25	31.50	49.50
Fig. 2501	4.30	5.75	9.00	13.75	21.50	36.25	53.50

All parts of Plungers and Check Valves interchangeable in every way, Pop-Spool or Ball

### General Directions For Installing Myers Working Barrels

Connect the top of Working Barrel to one section of pipe and lower into the well; add pipe until the Working Barrel has reached the desired depth. Before connecting the last piece of pipe remove the Discharge Pipe Head from the Gear Case and screw this Head onto the last piece of pipe; this is to prevent dropping the pipe into the Well, as there is no coupling on the upper end of this last length of Pipe.

Placing Plunger and Check Valve—screw the Check Valve onto the Pump Rod by hand only (not tight) and lower into the well and jam down tight, after which unscrew and remove the Rod, then screw the Plunger onto Pump Rod tight, and see that it is tight, after which return Plunger to bottom of Working Barrel by adding the additional rod.

**REPAIRS:** See Pages 39 to 41, No. R40 Repair Catalog

### Removing and Replacing Plunger and Check Valve for Repairs

Detach the Pump Rod from the Pump and remove the Plunger Tube or Stuffing Box Flange, shove the Plunger down against the Check Valve, and by turning the Pump Rod to the right screw the Plunger onto the Check Valve and withdraw both Plunger and Check Valve.

If unable to turn the plunger to screw fast to Check Valve so as to remove both at once, then remove the plunger first and place a sole leather washer (same diameter as plunger) with a hole in center, over screw pin on pump rod for a guide and lower the pump rod and screw onto Check Valve to remove it.





# THE MYERS BRASS LINED WORKING BARREL

*With Quick Closing Spring Cushion Pop-Spool Valves*

**Two or Three Leather All Brass Plungers**

**FIG. 2460** illustrates the Myers Brass Lined Working Barrel, the Shell of which is Steel Pipe for Strength, lined with Seamless Drawn Hard Brass Tubing for Wearing Quality. The space between the Brass Lining and Steel Shell is filled with thin Cement and Lead, forming a solid body. Fitted with Myers Quick Closing Spring Cushion Poppet Valves in both Plunger and Check Valve. In operation the Phosphor Bronze Springs above the Valves prevent them from rising beyond the point absolutely necessary for the passage of the water, after which the Valves are immediately returned to their Seats, preventing slippage or loss of water between the Valves and Seats. Note the Cushion, a Phosphor Bronze Spring above and a special Rubber Facing

underneath, eliminates hammering and consequent wear. The Rubber Valve Facing is completely encased in metal to prevent it from squashing out of its original shape when under a heavy load. Noiseless, Smooth and Efficient. Will pump more water with the same power than any other style of Valve. All Valves are interchangeable with Ball Valves, in same Cage and Seat.

The Plunger and Check Valve can be withdrawn through the Drop Pipe for repairs without removing the Pipe or Working Barrel.

*For Complete Description See Pages 70 and 71.*

THE LENGTH OF STROKE specified is practical, as provision is made in length of the shell for a clearance of 5 inches or more for the Plunger.

**Fig. 2460**

**PRICE LIST, Fig. 2460, With Pop-Spool Valves**



Inside Diam. and Length Stroke Inches	Length Barrel Inches	Capacity in Gallons Each Up Stroke	Size Pin in Plunger Inches	Can be Used in Well Pipe Diam. In.	Weight Pounds	Code	With Two Leather Plunger Price	Code	With Three Leather Plunger Price
1 <sup>13</sup> / <sub>16</sub> x 6	18	.067	5/8	3	10	JINAM	\$ 7.75	JUWSE	\$ 8.25
1 <sup>13</sup> / <sub>16</sub> x 12	24	.134	5/8	3	13	JINGA	8.25	JUWUA	8.75
1 <sup>13</sup> / <sub>16</sub> x 18	30	.201	5/8	3	16	JINHY	8.75	JUWXU	9.25
1 <sup>13</sup> / <sub>16</sub> x 24	36	.268	5/8	3	18	JINIW	9.25	JUWYS	9.75
2 <sup>1</sup> / <sub>4</sub> x 6	18	.10	5/8	3 <sup>1</sup> / <sub>2</sub>	16	JINOJ	10.50	JUXAO	11.00
2 <sup>1</sup> / <sub>4</sub> x 12	24	.20	5/8	3 <sup>1</sup> / <sub>2</sub>	19	JIPAK	11.25	JUXDI	11.75
2 <sup>1</sup> / <sub>4</sub> x 18	30	.31	5/8	3 <sup>1</sup> / <sub>2</sub>	23	JIPBI	12.00	JUXEG	12.50
2 <sup>1</sup> / <sub>4</sub> x 24	36	.41	5/8	3 <sup>1</sup> / <sub>2</sub>	26	JIPBC	12.75	JUXFE	13.25
2 <sup>3</sup> / <sub>4</sub> x 6	19	.155	7/8	4 <sup>1</sup> / <sub>2</sub>	22	JUFJO	14.50	JUXHA	15.25
2 <sup>3</sup> / <sub>4</sub> x 12	25	.31	7/8	4 <sup>1</sup> / <sub>2</sub>	28	JIPFA	15.50	JUXKU	16.25
2 <sup>3</sup> / <sub>4</sub> x 18	31	.46	7/8	4 <sup>1</sup> / <sub>2</sub>	33	JIPLO	16.50	JUXOL	17.25
2 <sup>3</sup> / <sub>4</sub> x 24	37	.62	7/8	4 <sup>1</sup> / <sub>2</sub>	38	JIPOH	17.50	JUXUZ	18.25
3 <sup>1</sup> / <sub>4</sub> x 12	26	.43	7/8	5	36	JIRFY	20.50	JUXYR	21.50
3 <sup>1</sup> / <sub>4</sub> x 18	32	.64	7/8	5	43	JIRHU	21.50	JUYAN	22.50
3 <sup>1</sup> / <sub>4</sub> x 24	38	.86	7/8	5	49	JIRIS	22.50	JUYBL	23.50
3 <sup>3</sup> / <sub>4</sub> x 12	27	.57	1 <sup>1</sup> / <sub>8</sub>	6	46	JIRKO	25.25	JUYCJ	26.75
3 <sup>3</sup> / <sub>4</sub> x 18	33	.86	1 <sup>1</sup> / <sub>8</sub>	6	53	JIROF	26.75	JUYDH	28.25
3 <sup>3</sup> / <sub>4</sub> x 24	39	1.14	1 <sup>1</sup> / <sub>8</sub>	6	61	JISAH	28.25	JUYEF	29.75
4 <sup>3</sup> / <sub>4</sub> x 12	30	.92	1 <sup>1</sup> / <sub>8</sub>	7	76	JISEZ	55.00	JUYFD	58.50
4 <sup>3</sup> / <sub>4</sub> x 18	36	1.38	1 <sup>1</sup> / <sub>8</sub>	7	84	JISIR	57.00	JUYGB	60.50
4 <sup>3</sup> / <sub>4</sub> x 24	42	1.84	1 <sup>1</sup> / <sub>8</sub>	7	97	JISRY	59.00	JUYHZ	62.50
5 <sup>3</sup> / <sub>4</sub> x 12	32	1.35	1 <sup>1</sup> / <sub>8</sub>	8	113	JISTU	81.00	JUYIX	86.50
5 <sup>3</sup> / <sub>4</sub> x 18	38	2.02	1 <sup>1</sup> / <sub>8</sub>	8	127	JISWO	84.00	JUYJV	89.50
5 <sup>3</sup> / <sub>4</sub> x 24	44	2.70	1 <sup>1</sup> / <sub>8</sub>	8	140	JITAG	87.00	JUYKT	92.50

When ordering, give diameter of Working Barrel, length of Stroke and length of Shell. TWO LEATHER Plunger will be shipped unless the Three Leather Plunger is specified.

The above capacities are the plunger displacements. An allowance of 5% should be made for slippage on heavy work.

Spool Valves can be furnished for 1<sup>13</sup>/<sub>16</sub>" , 2<sup>1</sup>/<sub>4</sub>" and 2<sup>3</sup>/<sub>4</sub>" sizes only, at same price as Pop-Spool Valves.

**REPAIRS:** See Pages 39 to 41, No. R40 Repair Catalog





# THE MYERS BRASS LINED WORKING BARREL

*With Bronze Ball Valves*

**Three or Four Leather All Brass Plungers**

**FIG. 2480** illustrates the Myers Brass Lined Working Barrel. The Shell is Steel Pipe for Strength, lined with Seamless Drawn Hard Brass Tubing for Wearing Quality. The space between the Brass Lining and the Steel Shell is filled with thin Cement and Lead, forming a solid body. The Plungers and Check Valves are fitted with Bronze Ball Valves, interchangeable with Pop-Spool Valves. All Valves

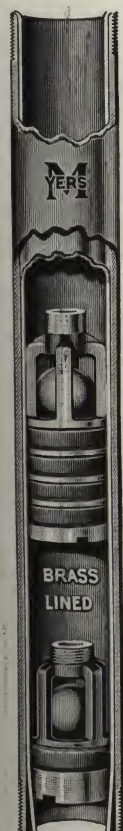
can be withdrawn and replaced through the Drop Pipe.

*For Complete Description See Pages 70 and 71.*

THE LENGTH OF STROKE specified is practical, as provision is made in length of the shell for a clearance of 5 inches or more for the Plunger.

## PRICE LIST, Fig. 2480, With Ball Valves

Fig. 2480



Inside Diam. and Length Stroke Inches	Length Barrel Inches	Capacity in Gallons Each Up Stroke	Size Pin in Plunger Inches	Can be Used in Well Pipe Diam. In.	Weight Pounds	Code	With Three Leather Plunger Price	Code	With Four Leather Plunger Price
1 <sup>13</sup> / <sub>16</sub> x 6	18	.067	5/8	3	11	JITDA	\$ 8.50	JUYLR	\$ 9.00
1 <sup>13</sup> / <sub>16</sub> x 12	24	.134	5/8	3	14	JITEY	9.00	JUYMP	9.50
1 <sup>13</sup> / <sub>16</sub> x 18	30	.201	5/8	3	17	JITMI	9.50	JUYMN	10.00
1 <sup>13</sup> / <sub>16</sub> x 24	36	.268	5/8	3	20	JITOD	10.00	JUYOK	10.50
2 <sup>1</sup> / <sub>4</sub> x 6	18	.10	5/8	3 <sup>1</sup> / <sub>2</sub>	17	JITUR	12.75	JUYPI	13.25
2 <sup>1</sup> / <sub>4</sub> x 12	24	.205	5/8	3 <sup>1</sup> / <sub>2</sub>	21	JIVCA	13.50	JUYQG	14.00
2 <sup>1</sup> / <sub>4</sub> x 18	30	.31	5/8	3 <sup>1</sup> / <sub>2</sub>	25	JIVDY	14.25	JUYRE	14.75
2 <sup>1</sup> / <sub>4</sub> x 24	36	.41	5/8	3 <sup>1</sup> / <sub>2</sub>	28	JIVEW	15.00	JUYSC	15.50
2 <sup>3</sup> / <sub>4</sub> x 6	19	.155	7/8	4 <sup>1</sup> / <sub>2</sub>	25	JUFMI	18.75	JUYTA	19.50
2 <sup>3</sup> / <sub>4</sub> x 12	25	.31	7/8	4 <sup>1</sup> / <sub>2</sub>	30	JIVLI	19.75	JUYUY	20.50
2 <sup>3</sup> / <sub>4</sub> x 18	31	.46	7/8	4 <sup>1</sup> / <sub>2</sub>	35	JIVOB	20.75	JUYVW	21.50
2 <sup>3</sup> / <sub>4</sub> x 24	37	.62	7/8	4 <sup>1</sup> / <sub>2</sub>	40	JIVUP	21.75	JUYWU	22.50
3 <sup>1</sup> / <sub>4</sub> x 12	26	.43	7/8	5	39	JIWAD	27.50	JUYXS	28.50
3 <sup>1</sup> / <sub>4</sub> x 18	32	.64	7/8	5	47	JIWEV	28.50	JUY YQ	29.50
3 <sup>1</sup> / <sub>4</sub> x 24	38	.86	7/8	5	53	JIWIN	29.50	JUYZO	30.50
3 <sup>3</sup> / <sub>4</sub> x 12	27	.57	1 <sup>1</sup> / <sub>8</sub>	6	50	JIWRU	38.00	JUZAM	39.50
3 <sup>3</sup> / <sub>4</sub> x 18	33	.86	1 <sup>1</sup> / <sub>8</sub>	6	59	JIYAB	39.50	JUZCI	41.00
3 <sup>3</sup> / <sub>4</sub> x 24	39	1.14	1 <sup>1</sup> / <sub>8</sub>	6	68	JIYET	41.00	JUZEE	42.50
4 <sup>3</sup> / <sub>4</sub> x 12	30	.92	1 <sup>1</sup> / <sub>8</sub>	7	90	JIYIL	86.00	JUZGA	89.00
4 <sup>3</sup> / <sub>4</sub> x 18	36	1.38	1 <sup>1</sup> / <sub>8</sub>	7	97	JIYMD	88.00	JUZHY	91.00
4 <sup>3</sup> / <sub>4</sub> x 24	42	1.84	1 <sup>1</sup> / <sub>8</sub>	7	110	JIYNA	90.00	JUZIW	93.00
5 <sup>3</sup> / <sub>4</sub> x 12	32	1.35	1 <sup>1</sup> / <sub>8</sub>	8	121	JIYOY	100.00	JUZJU	105.00
5 <sup>3</sup> / <sub>4</sub> x 18	38	2.02	1 <sup>1</sup> / <sub>8</sub>	8	136	JIYTO	103.00	JUZMO	108.00
5 <sup>3</sup> / <sub>4</sub> x 24	44	2.70	1 <sup>1</sup> / <sub>8</sub>	8	148	JIYUM	106.00	JUZJO	112.00

THREE LEATHER Plunger will be shipped unless Four Leather is specified.

When ordering, give diameter of Working Barrel, length of Stroke and length of Shell.

The above capacities are the plunger displacements. An allowance of 5% should be made for slippage on heavy work.

REPAIRS: See Pages 39 to 41, No. R40 Repair Catalog





# THE MYERS ALL BRASS WORKING BARREL

*With Quick Closing Spring Cushion Pop-Spool Valves*

**Two or Three Leather All Brass Plungers**

**FIG. 2461** illustrates the Myers All Brass Working Barrel. The Shell is Seamless Drawn Hard Brass Tubing. The Caps are Cast Brass, extra heavy. Fitted with Myers Quick Closing Spring Cushion Poppet Valves in both Plunger and Check Valve. In operation the Phosphor Bronze Springs above the Valves prevent them from rising beyond the point absolutely necessary for the passage of the water, after which the Valves are immediately returned to their Seats, preventing slippage or loss of water between the Valves and Seats. Note the Cushion, a Phosphor Bronze Spring above and a special Rubber Facing underneath, eliminates hammering and consequent wear. The Rubber Valve Facing is completely encased in metal to prevent it from squashing out of its original shape when under a heavy load. Noiseless, Smooth and Efficient. Will pump more water with the same power than any other style of Valve. All Valves are interchangeable with Ball Valves in same cage and seat.

The Plunger and Check Valve can be withdrawn through the Drop Pipe for repairs without removing the Pipe or Working Barrel.

See Fig. 2901 Page 76 for 6 and 10" Stroke Working Barrels

For complete description see pages 70 and 71

THE LENGTH OF STROKE specified is practical, as provision is made in length of the shell for a clearance of 5 inches or more for the Plunger.

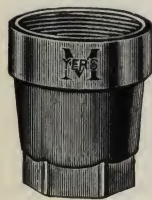
## PRICE LIST, Fig. 2461, With Pop-Spool Valves

Inside Diam. and Length Stroke Inches	Length Barrel Inches	Length over all, Inches	Capacity in Gallons Each Up Stroke	Size Pin in Plunger Inches	Can be Used in Well Pipe Diam. In.	Weight Pounds	Code	With Two Leather Plunger Price	Code	With Three Leather Plunger Price
1 13/16 x 12	21	25	.134	5/8	3	9 1/2	JIZDU	\$10.25	JUZUX	\$10.75
1 13/16 x 18	27	31	.201	5/8	3	11	JIZES	10.75	JUZYP	11.25
1 13/16 x 24	33	37	.268	5/8	3	12	JIZIK	11.25	JVAAM	11.75
2 1/4 x 12	22	26 1/2	.205	5/8	3 1/2	13 1/2	JIZLE	14.00	JVACI	14.50
2 1/4 x 18	28	32 1/2	.31	5/8	3 1/2	15	JIZUL	14.75	JVAEE	15.25
2 1/4 x 24	34	38 1/2	.41	5/8	3 1/2	17	JOBCA	15.50	JVAGA	16.00
2 3/4 x 12	23	28	.31	7/8	4 1/2	17 1/2	JOBDY	18.50	JVAHY	19.25
2 3/4 x 18	29	34	.46	7/8	4 1/2	20	JOBEW	19.50	JVAIW	20.25
2 3/4 x 24	35	40	.62	7/8	4 1/2	22	JOBLI	20.50	JVAJU	21.25
3 1/4 x 12	24	29 1/2	.43	7/8	5	24	JOBOB	32.00	JVAMO	33.00
3 1/4 x 18	30	35 1/2	.64	7/8	5	26 1/2	JOCAD	33.25	JVAOJ	34.25
3 1/4 x 24	36	41 1/2	.86	7/8	5	29	JOCEV	34.50	JVAUX	35.50
3 3/4 x 12	24	29 1/2	.57	1 1/8	6	33	JOCIN	40.00	JVAYP	41.50
3 3/4 x 18	30	35 1/2	.86	1 1/8	6	35	JOCPY	41.50	JVBOI	43.00
3 3/4 x 24	36	41 1/2	1.14	1 1/8	6	38 1/2	JOCRU	43.00	JVBYO	44.50
4 3/4 x 12	27	33 1/2	.92	1 1/8	7	54	JODAC	77.00	JVCIU	80.50
4 3/4 x 18	33	39 1/2	1.38	1 1/8	7	60	JODBA	80.00	JVDUU	83.50
4 3/4 x 24	39	45 1/2	1.84	1 1/8	7	66	JODHO	83.00	JVEAI	86.50
5 3/4 x 12	30	37 1/2	1.35	1 1/8	8	83	JODIM	115.00	JVECE	120.50
5 3/4 x 18	36	43 1/2	2.02	1 1/8	8	90	JODKI	119.00	JVEEA	124.50
5 3/4 x 24	42	49 1/2	2.70	1 1/8	8	97	JODME	123.00	JVEFY	128.50

**Fig. 2461**



**Fig. 2043**



TWO LEATHER Plunger will be shipped unless Three Leather is specified.

When ordering, give diameter of Working Barrel, length of Stroke and length of Shell.

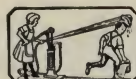
Fig. 2043 illustrates the Lower Cap used on the All Brass Working Barrels. It is tapped at lower end for pipe two sizes smaller than the Drop Pipe.

The above capacities are the plunger displacements. An allowance of 5% should be made for slippage on heavy work.

Spool Valves can be furnished for 1 13/16", 2 1/4" and 2 3/4" sizes only, at same price as for Pop-Spool Valves.

**REPAIRS:** See Pages 39 to 41, No. R40 Repair Catalog





# THE MYERS ALL BRASS WORKING BARREL

*With Bronze Ball Valves*

**Three or Four Leather All Brass Plungers**

**FIG. 2481** illustrates the Myers All Brass Working Barrel. The Barrel is made of heavy Seamless Drawn Brass Tubing with Brass Caps, fitted with Ball Valves. These Cylinders may be placed in open wells or drilled wells where the casing is large enough to take the Pipe Couplings. They are adapted to work in the deepest wells.

*For complete description see pages 70 and 71*

THE LENGTH OF STROKE specified is practical, as provision is made in length of the shell for a clearance of 4 inches or more for the Plunger.

**Fig. 2481**



**PRICE LIST, Fig. 2481, With Ball Valves**

Inside Diam. and Length Stroke Inches	Length Barrel Inches	Length over all, Inches	Capacity in Gallons Each Up Stroke	Size Pin in Plunger Inches	Can be Used in Well Pipe Diam. In.	Weight Pounds	Code	With Three Leather Plunger Price	Code	With Four Leather Plunger Price
1 13/16 x 12	21	25	.134	5/8	3	10 1/2	JODOZ	\$11.00	JVEHU	\$11.50
1 13/16 x 18	27	31	.201	5/8	3	12	JODUN	11.50	JVEIS	12.00
1 13/16 x 24	33	37	.268	5/8	3	13	JOBY	12.00	JVEKO	12.50
2 1/4 x 12	22	26 1/2	.205	5/8	3 1/2	15	JOFDU	16.50	JVEOF	17.00
2 1/4 x 18	28	32 1/2	.31	5/8	3 1/2	16 1/2	JOFE	17.25	JVEUT	17.75
2 1/4 x 24	34	38 1/2	.41	5/8	3 1/2	18 1/2	JOFGO	18.00	JVEYL	18.50
2 3/4 x 12	23	28	.31	7/8	4 1/2	20	JOFIK	22.50	JVFOE	23.25
2 3/4 x 18	29	34	.46	7/8	4 1/2	22	JOFUL	23.50	JVGEY	24.25
2 3/4 x 24	35	40	.62	7/8	4 1/2	24	JOGAZ	24.50	JVHYI	25.25
3 1/4 x 12	24	29 1/2	.43	7/8	5	28	JOGER	38.00	JVIAE	39.00
3 1/4 x 18	30	35 1/2	.64	7/8	5	30	JOJNY	39.25	JVICA	40.25
3 1/4 x 24	36	41 1/2	.86	7/8	5	32	JOJOW	40.50	JVIDY	41.50
3 3/4 x 12	24	29 1/2	.57	1 1/8	6	37	JOGPU	50.00	JVIEW	51.50
3 3/4 x 18	30	35 1/2	.86	1 1/8	6	40	JOJSO	51.50	JVIFU	53.00
3 3/4 x 24	36	41 1/2	1.14	1 1/8	6	43	JOJUK	53.00	JVHIO	54.50
4 3/4 x 12	27	33 1/2	.92	1 1/8	7	65	JOHAY	96.50	JVILI	100.00
4 3/4 x 18	33	39 1/2	1.38	1 1/8	7	72	JOHFO	99.50	JVIOB	103.00
4 3/4 x 24	39	45 1/2	1.84	1 1/8	7	78	JOHKE	102.50	JVIUP	106.00
5 3/4 x 12	30	37 1/2	1.35	1 1/8	8	93	JOHMA	136.50	JVIYH	142.00
5 3/4 x 18	36	43 1/2	2.02	1 1/8	8	100	JOHOV	140.50	JVJOA	146.00
5 3/4 x 24	42	49 1/2	2.70	1 1/8	8	107	JOJAW	144.50	JVJUO	150.00

The Upper Cap is tapped the same size as the Drop Pipe. The Lower Cap is tapped for two sizes smaller Pipe than the Drop Pipe.

When ordering, give diameter of Working Barrel, length of Stroke and length of Shell.

THREE LEATHER Plunger will be shipped unless Four Leather is specified.

The above capacities are the plunger displacements. An allowance of 5% should be made for slippage on heavy work:

**REPAIRS:** See Pages 39 to 41, No. R40 Repair Catalog





# THE MYERS ALL BRASS WORKING BARREL

*With Q. C. Spring Cushion Pop-Spool Valves*

**For Heavy Duty Service**

**Fig. 2901**



**FIG. 2901** illustrates the Myers Q. C. Valve All Brass Working Barrel with Heavy Brass Caps and Standard Seamless Drawn Brass Shell, fitted with Myers Quick Closing Spring Cushion Poppet Valves (rise and fall clear on each stroke) in both Plunger and Check Valve. In operation the Phosphor Bronze Springs above the Valves prevent them from rising beyond the point absolutely necessary for the passage of water, after which the Valves are immediately returned to their Seats, preventing slippage or loss of water between the Valves and Seats. Note the Cushion, a Phosphor Bronze Spring above and a special Rubber Facing underneath, eliminates hammering and consequent wear. The Rubber Valve Facing is completely encased in Brass to prevent it from squashing out of its original shape when under a heavy load. Noiseless, Smooth and Efficient. Will pump more water with the same power than any other style of Valve.

The Plunger and Check Valve can be withdrawn through the Drop Pipe for repairs.

**THE LENGTH OF STROKE** specified is practical, as provision is made in length of the shell for a clearance of 3" for the plunger.

## PRICE LIST, Represented by Fig. 2901

Inside Diam. and Length Stroke Inches	Length Barrel Inches	Length Over All Inches	Capacity in Gal. One Revolution of Plunger	Size Pin in Plunger, Inches	Can be Used in Well Pipe Diam. In.	Weight Pounds	Code	Cylinder, Complete as Shown Price
1 $\frac{3}{16}$ x 6	14	18	.067	$\frac{5}{8}$	3	7	JVYHA	\$ 9.25
1 $\frac{3}{16}$ x 10	18	22	.112	$\frac{5}{8}$	3	8	JVYIY	9.75
2 $\frac{1}{4}$ x 6	14	18 $\frac{1}{2}$	.1033	$\frac{5}{8}$	3 $\frac{1}{2}$	10 $\frac{1}{2}$	JVYKU	12.50
2 $\frac{1}{4}$ x 10	18	22 $\frac{1}{2}$	.1721	$\frac{5}{8}$	3 $\frac{1}{2}$	11 $\frac{1}{2}$	JVYOL	13.00
2 $\frac{3}{4}$ x 6	14	19	.1543	$\frac{7}{8}$	4 $\frac{1}{2}$	14	JVYUZ	16.75
2 $\frac{3}{4}$ x 10	18	23	.2571	$\frac{7}{8}$	4 $\frac{1}{2}$	15 $\frac{1}{2}$	JVYYR	17.75

The Lower Cap is tapped for two sizes smaller Pipe than the Drop Pipe.

For Longer Stroke and Larger Diameter Working Barrels of this Type see Fig. 2461, Page 74.

**Fig. 2419**



# The Myers All Brass Working Barrel

*With Q. C. Spring Cushion Pop-Spool Valves*

**A LIGHT WEIGHT WORKING BARREL AT LOW COST**

**Designed Especially for Small Motor or Other Light Power Driven Pumps**

Fig. 2419 is identical in every way with Fig. 2901 fully described above, except that it has Lighter Caps and Shell.

## PRICE LIST, Represented by Fig. 2419

Inside Diam. and Length Stroke Inches	Length Barrel Inches	Length Over All Inches	Capacity in Gal. One Revolution of Plunger	Size Pin in Plunger, Inches	Can be Used in Well Pipe Diam. In.	Weight Pounds	Code	Cylinder, Complete as Shown Price
1 $\frac{3}{16}$ x 6	14	18	.067	$\frac{5}{8}$	3	5	JOJBU	\$ 8.50
1 $\frac{3}{16}$ x 10	18	22	.112	$\frac{5}{8}$	3	5 $\frac{1}{2}$	JOJHI	8.75
2 $\frac{1}{4}$ x 6	14	18 $\frac{1}{2}$	.1033	$\frac{5}{8}$	3 $\frac{1}{2}$	8	JOJIG	11.50
2 $\frac{1}{4}$ x 10	18	22 $\frac{1}{2}$	.1721	$\frac{5}{8}$	3 $\frac{1}{2}$	8 $\frac{1}{2}$	JOJLA	11.75
2 $\frac{3}{4}$ x 6	14	19	.1543	$\frac{7}{8}$	4 $\frac{1}{2}$	11 $\frac{1}{2}$	JOJMY	14.50
2 $\frac{3}{4}$ x 10	18	23	.2571	$\frac{7}{8}$	4 $\frac{1}{2}$	13	JOJOT	15.00

When Plunger is required to be fitted for other than  $\frac{5}{8}$ " Pin Thread Coupling, an extra charge will be made. We can furnish Couplings as follows:  $\frac{5}{8}$ " Pin Male End by

$\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ " Rod or  $\frac{3}{8}$ " Pipe Female End (state which is wanted). Each ..... \$ .15

Spool Valves can be furnished for either Fig. 2901 or 2419, at same price as Pop-Spool Valves.

When ordering, give diameter of Working Barrel, length of stroke and length of shell.

**REPAIRS:** See Pages 39 to 41, No. R40 Repair Catalog





# THE MYERS ALL BRASS CYLINDER

*With Flush Caps, Pop-Spool or Ball Valves*

Fig. 2482



FIGS. 2482 and 2505 illustrate the Myers All Brass Cylinder, capped inside. The Barrel is made of heavy Seamless Drawn Brass Tubing with Brass Caps, fitted with Pop-Spool or Ball Valves. These Cylinders are practically the same as Figs. 2461 and 2481, the only difference being in the Caps, and are fitted with Steel Stub Rod and Coupling. The Plungers are tapped regular as on other Working Barrels. The Lower Valve and Plunger Can Not be withdrawn through pipe. Outside diameter is  $\frac{1}{4}$  inch more than inside. The Cylinder is intended to secure the maximum capacity from small diameter wells.

**Length Stroke:** Provision is made for a clearance of  $3\frac{1}{2}$  inches or more

## PRICE LIST, Fig. 2482, With Pop-Spool Valves

Inside Diam. and Length Stroke Inches	Length Barrel Inches	Tapped for Pipe	Size Rod in Plunger Inches	Can be Used in Well Pipe Diam. In.	Weight Pounds	Code	With Two Leather Plunger Price	Code	With Three Leather Plunger Price
$1\frac{13}{16} \times 9$	21	$1\frac{1}{4}$	$\frac{5}{8}$	$2\frac{1}{2}$	10	JOKAV	\$ 10.25	JVKEU	\$ 10.75
$1\frac{13}{16} \times 15$	27	$1\frac{1}{4}$	$\frac{5}{8}$	$2\frac{1}{2}$	11	JOKEN	10.75	JVLOY	11.25
$1\frac{13}{16} \times 21$	33	$1\frac{1}{4}$	$\frac{5}{8}$	$2\frac{1}{2}$	13	JOKIF	11.25	JVLYE	11.75
$2\frac{1}{4} \times 9$	22	$1\frac{1}{4}$	$\frac{5}{8}$	3	12	JOKNU	14.00	JVMAA	14.50
$2\frac{1}{4} \times 15$	28	$1\frac{1}{4}$	$\frac{5}{8}$	3	14	JOKOS	14.75	JVOAY	15.25
$2\frac{1}{4} \times 21$	34	$1\frac{1}{4}$	$\frac{5}{8}$	3	27	JOKTI	15.50	JVOCU	16.00
$2\frac{3}{4} \times 9$	23	$1\frac{1}{2}$	$\frac{5}{8}$	$3\frac{1}{2}$	$17\frac{1}{2}$	JOKUG	18.50	JVOEQ	19.25
$2\frac{3}{4} \times 15$	29	$1\frac{1}{2}$	$\frac{5}{8}$	$3\frac{1}{2}$	20	JOLDO	19.50	JVOFO	20.25
$2\frac{3}{4} \times 21$	35	$1\frac{1}{2}$	$\frac{5}{8}$	$3\frac{1}{2}$	$22\frac{1}{2}$	JOLEM	20.50	JVOII	21.25
$3\frac{1}{4} \times 9$	24	$1\frac{1}{2}$	$\frac{5}{8}$	4	22	JOLGI	32.00	JVOKE	33.00
$3\frac{1}{4} \times 15$	30	$1\frac{1}{2}$	$\frac{5}{8}$	4	$25\frac{1}{2}$	JOLKA	33.25	JVOMA	34.25
$3\frac{1}{4} \times 21$	36	$1\frac{1}{2}$	$\frac{5}{8}$	4	31	JOLOR	34.50	JVOOV	35.50
$3\frac{3}{4} \times 9$	24	2	$\frac{3}{4}$	$4\frac{1}{2}$	$29\frac{1}{2}$	JOLUF	40.00	JVOUJ	41.50
$3\frac{3}{4} \times 15$	30	2	$\frac{3}{4}$	$4\frac{1}{2}$	33	JOMAT	41.50	JVOYB	43.00
$3\frac{3}{4} \times 21$	36	2	$\frac{3}{4}$	$4\frac{1}{2}$	$36\frac{1}{2}$	JOMEL	43.00	JVPUI	44.50
$4\frac{3}{4} \times 21$	39	$2\frac{1}{2}$	$\frac{3}{4}$	$5\frac{5}{8}$	$56\frac{1}{2}$	JOMID	83.00	JVPYA	86.50
$5\frac{3}{4} \times 21$	42	3	1	$6\frac{5}{8}$	$86\frac{1}{2}$	JOMPO	123.00	JVQEO	128.50

Fig. 2505



Spool Valves can be furnished for  $1\frac{13}{16}$ ",  $2\frac{1}{4}$ " and  $2\frac{3}{4}$ " sizes only, at same price as Pop-Spool Valves.

## PRICE LIST, Fig. 2505, With Ball Valves

$1\frac{13}{16} \times 9$	21	$1\frac{1}{4}$	$\frac{5}{8}$	$2\frac{1}{2}$	11	.....	.....	JOMWA	\$ 11.00
$1\frac{13}{16} \times 15$	27	$1\frac{1}{4}$	$\frac{5}{8}$	$2\frac{1}{2}$	12	.....	.....	JONAS	11.50
$1\frac{13}{16} \times 21$	33	$1\frac{1}{4}$	$\frac{5}{8}$	$2\frac{1}{2}$	$13\frac{1}{2}$	.....	.....	JONEK	12.00
$2\frac{1}{4} \times 9$	22	$1\frac{1}{4}$	$\frac{5}{8}$	3	$13\frac{1}{2}$	.....	.....	JONFI	16.50
$2\frac{1}{4} \times 15$	28	$1\frac{1}{4}$	$\frac{5}{8}$	3	15	.....	.....	JONIC	17.25
$2\frac{1}{4} \times 21$	34	$1\frac{1}{4}$	$\frac{5}{8}$	3	18	.....	.....	JONKY	18.00
$2\frac{3}{4} \times 9$	23	$1\frac{1}{2}$	$\frac{5}{8}$	$3\frac{1}{2}$	18	.....	.....	JONOP	22.50
$2\frac{3}{4} \times 15$	29	$1\frac{1}{2}$	$\frac{5}{8}$	$3\frac{1}{2}$	21	.....	.....	JONUD	23.50
$2\frac{3}{4} \times 21$	35	$1\frac{1}{2}$	$\frac{5}{8}$	$3\frac{1}{2}$	$23\frac{1}{2}$	.....	.....	JOPBO	24.50
$3\frac{1}{4} \times 9$	24	$1\frac{1}{2}$	$\frac{5}{8}$	4	22	.....	.....	JOPGE	38.50
$3\frac{1}{4} \times 15$	30	$1\frac{1}{2}$	$\frac{5}{8}$	4	$27\frac{1}{2}$	.....	.....	JOPLU	39.75
$3\frac{1}{4} \times 21$	36	$1\frac{1}{2}$	$\frac{5}{8}$	4	$30\frac{1}{2}$	.....	.....	JOPON	41.00
$3\frac{3}{4} \times 9$	24	2	$\frac{3}{4}$	$4\frac{1}{2}$	$34\frac{1}{2}$	.....	.....	JORDI	50.00
$3\frac{3}{4} \times 15$	30	2	$\frac{3}{4}$	$4\frac{1}{2}$	$37\frac{1}{2}$	.....	.....	JOREG	51.50
$3\frac{3}{4} \times 21$	36	2	$\frac{3}{4}$	$4\frac{1}{2}$	$41\frac{1}{2}$	.....	.....	JORHA	53.00
$4\frac{3}{4} \times 21$	39	$2\frac{1}{2}$	$\frac{3}{4}$	$5\frac{5}{8}$	62	.....	.....	JORKU	102.50
$5\frac{3}{4} \times 21$	42	3	1	$6\frac{5}{8}$	93	.....	.....	JOROL	144.50

When ordering, give diameter of cylinder, length of stroke and length of shell.

REPAIRS: See Pages 39 to 41, No. R40 Repair Catalog





# MYERS ALL BRASS EUREKA CYLINDER

*With Q. C. Spring or Spool Valves*

Fig. 2558



These cylinders are set in place after the well is made by means of a seating tool, Fig. 744, attached to the drill rod or a small pipe. The seating tool revolves the cylinder shell and screws it down on the spring dog coupling which holds firmly to the inside wall of the Pipe, the Rubber packing between the Cylinder and the Spring Dog Coupling is thus forced out against the Pipe and makes a firm tight joint.

These cylinders should be ordered by size of the Well Pipe.

The Length of Stroke specified is practical, as provision is made in length of the shell for a clearance of 3" for the plunger.

## PRICE LIST

Fig. 2558 Complete With Q. C. Spring Valves						Fig. 2950 Complete With Special Spool Sand Valves					
Size of Well Inches	Inside Diam. Cylinder Inches	Length Over All Inches	Practical Length Stroke Inches	CODE	Price	Size of Well Inches	Inside Diam. Cylinder Inches	Length Over All Inches	Practical Length Stroke Inches	CODE	Price
2	1 13/16	26	10	JOSAN	\$8.00	2	1 13/16	26	10	JWYVY	\$8.00
2 1/2	2 1/4	29	10	JOSEF	12.00	2 1/2	2 1/4	29	10	JWYXU	12.00
3	2 3/4	31	10	JOSOC	17.00	3	2 3/4	31	10	JWYYS	17.00

The Plungers and Check Valves used in these Cylinders are the same as used in our Regular Working Barrels, and interchange. Plungers tapped for 5/8" pin with Coupling for 3/8" pipe except 2 3/4" tapped 7/8" pin. Weights: 1 13/16", 6 1/2 Lbs. 2 1/4", 10 Lbs. 2 3/4", 14 1/2 Lbs.

Fig. 2496

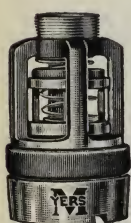


Fig. 2497



Q. C. Spring Valves

## Valves for Eureka Cylinder

	Weight Lbs.	With Q. C. Valves. CODE	With Spool Valves. CODE	Price
Complete set, 1 13/16 inch	2 1/4	JOSPI	JWZAO	\$ 4.25
Complete set, 2 1/4 inch	3 3/4	JOSTA	JWZII	6.25
Complete set, 2 3/4 inch	6	JOSUY	JXAAO	9.50

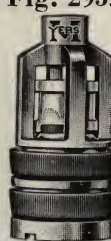
Either the Plunger or Check Valve, one-half the above list.

All Valves interchange in both Cylinders and are the same Valves as used in Figs. 2460, 2461, 2901 and 2419 Working Barrels.

Fig. 2951



Fig. 2952



Spool Valves



## Seating Tool for Eureka Cylinder

Fig. 743



Fig. 742



Fig. 744



For 1 13/16 inch cylinder. Wt. 1 1/2 Lbs. ..JOTAM  
For 2 1/4 inch cylinder. Wt. 2 Lbs. ....JOTGA  
For 2 3/4 inch cylinder. Wt. 2 3/4 Lbs. ..JOTHY

Price

\$ .80  
1.20  
1.50

## Special Valves

To Be Used in Plugged and Reamed Pipe Without Cylinder

Figs. 742 and 743

	Price
Valves complete, 2 inch pipe. Wt. 2 1/2 Lbs. ....JOTIW	\$ 4.25
Valves complete, 2 1/2 inch pipe. Wt. 3 1/2 Lbs. ....JOTOJ	6.75
Valves complete, 3 inch pipe. Wt. 7 1/2 Lbs. ....JOVAK	10.50

REPAIRS: See Page 29, No. R40 Repair Catalog





## REPAIRS

### Plungers Complete

Fig. 3040

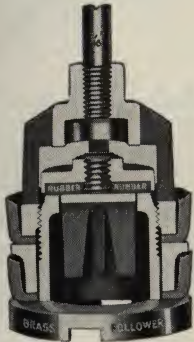
Double  
Leather Plunger

Fig. 3071

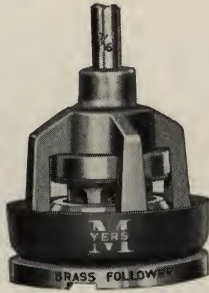
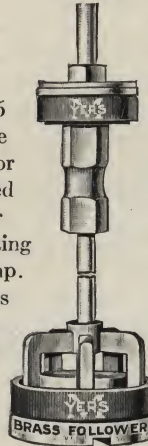
Single  
Leather PlungerFig. 3076  
JAZOP

Fig. 3076  
Complete  
Plunger for  
Submerged  
Cylinder  
Double Acting  
Force Pump.  
Has Brass  
Follower,  
Seat and  
Valve

Fig. 2912  
JWYUA

Upper  
Plunger for  
Submerged  
Cylinder  
D.A. Force  
Pump.

Fig. 3077  
JEBDO

Fig. 3077  
Complete  
Plunger for  
Branch Pipe  
Double Acting  
Force Pump.  
Has Brass  
Follower,  
Seat and  
Valve

Fig. 2911  
JWYSE

Upper Plunger  
for Branch  
Pipe  
Double Acting  
Force Pump

**IMPORTANT** { Single Leather Plungers. Furnished on 6" Stroke Cylinders only.  
Double Leather Plungers. Furnished on 6, 8 and 10" Stroke Cylinders.

### PRICE LIST of Plungers Complete With Steel Stem and Malleable Coupling

#### Brass Follower — Brass Seat — Rubber Faced Wing Guide Valve — Iron Cage JXOJI

Diameter, inches	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	4	4 1/2	5	6
Single Leather, Fig. 3071 (Illustrated Above)	Price Ea.				1.25	1.60	1.60	2.10	3.00			
Two Leathers, Fig. 3040 (Illustrated Above)	Price Ea.				1.60	1.95	1.95	2.65	3.80			

#### All Brass — With Rubber Faced Wing Guide Valve JXOLE

Single Leather, Fig. 3071 (Illustrated Above)	Price Ea.				1.70	1.70	2.25	2.25	2.90	4.00		
Two Leathers, Fig. 3040 (Illustrated Above)	Price Ea.				2.50	2.50	2.90	2.90	3.85	5.30		

#### Brass Follower — Brass Seat — Rubber Faced Spring Loaded Valve — Iron Cage JXOUL

Single Leather, Fig. 3072 (Illustrated Page 66)	Price Ea.				1.25	1.60	1.60	2.10	3.00			
Two Leathers, Fig. 3073 (Illustrated Page 66)	Price Ea.				1.60	1.95	1.95	2.65	3.80			

#### All Brass — With Rubber Faced Spring Loaded Valve JXOYD

Single Leather, Fig. 3072 (Illustrated Page 66)	Price Ea.				1.70	2.25	2.25	2.90	4.00			
Two Leathers, Fig. 3073 (Illustrated Page 66)	Price Ea.				2.50	2.90	2.90	3.85	5.30			

#### Brass Follower — Brass Seat — Brass Poppet Valve — Iron Cage JXOIK

Single Leather, Fig. 3074, Plunger (Illustrated Page 63)	Price Ea.				1.10	1.40	1.40	1.85	1.85	2.55	4.40	5.75	9.00
Two Leathers, Fig. 3075, Plunger (Illustrated Page 63)	Price Ea.				1.50	1.85	1.85	2.45	2.45	3.25	6.00	7.75	12.00

#### All Brass — Poppet Valve JVSIE

Single Leather, Fig. 3074, Plunger (Illustrated Page 63)	Price Ea.	1.35	1.70	1.70	2.10	2.10	2.75	2.75	3.75	5.60	8.00	12.00	
Two Leathers, Fig. 3075, Plunger (Illustrated Page 63)	Price Ea.	1.75	1.75	2.25	2.25	2.75	2.75	3.75	3.75	5.25	8.25	13.00	17.00

#### All Iron, JVRYY

Single Leather, Fig. 710, Plunger (Illustrated Page 63)	Price Ea.				.80	.80	.90	.90	1.10	1.10	1.50	2.00	2.50	3.75
Two Leathers, Fig. 869, Plunger (Illustrated Page 63)	Price Ea.				1.15	1.15	1.35	1.35	1.60	1.60	2.10	3.50	4.75	7.00

All of the above Plungers WITHOUT Stem and Coupling, deduct as follows: 1 3/4" to 3 1/2" Diam. Each \$.15—4" & 4 1/2" Diam. \$.20—5" Diam. \$.30—6" Diam. \$.40.

#### Plunger for Double Acting Pumps

Size, inches	2 1/2	3	3 1/2	4
Fig. 3076 (JAZOP) or Fig. 3077, (JEBDO) Complete Plunger for Double Acting Pump	\$1.90	\$2.30	\$3.00	\$3.75
Fig. 2911 Upper Plunger for Double Acting Pump	.80	.90	1.10	1.20
Plunger Complete with Stem for D. A. House Pumps (Give Catalog Number of Pump)	Price Each	JVTUE	1.90	2.45
Plunger Complete with Stem for S.A. Lift House Pumps (Give Catalog Number of Pump)	Price Each	JVUAS	.85	1.10
Plunger Complete with Stem for all Pitcher Pumps (Give Catalog Number of Pump)	Price Each	JVUCO	.75	1.00





# REPAIRS—LEATHERS. (CARTONS OF 12)

Fig. 1025



Fig. 1025, Upper Plunger Cups For D. A. Hand Pumps JVUEK

Diam. Lower Cylinder, Inches .....	2½	3	3½	4
Actual Outside Measurement of Cup .....	1¾	2⅛	2½	3
Price Each .....	\$ .11	\$ .13	\$ .16	\$ .20
Canvas Cups for Upper Plunger, Price Each .....	.25	.35		

Fig. 1026



Fig. 1026, Cup Leathers, Open Center JVUHE

Size, In. ....	1¾	1⅞	2	2¼	2½	2¾	3	3¼	3½	3¾
Price, Each ....	\$ .11	\$ .11	\$ .12	\$ .13	\$ .16	\$ .18	\$ .20	\$ .24	\$ .27	\$ .32
Size, In. ....	4	4¼	4½	4¾	5	5½	5¾	6	7	8
Price, Each ....	.36	.41	.45	.49	.53	.70	.79	.85	1.25	1.65

Fig. 2479, Upper Plunger Cups For Deep Well Power Pumps JVUFI

Size and Price, Each .....	1", .05	1¼", .06	1¾", .11	2½", .16
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Fig. 2479, Cup Leathers, Solid Center JVUIC

Size, In. ..	¾	1	1⅛	1¼	1⅝	1⅞	1½	1⅝	1¾	1⅞	1⅞	1⅞	2	2¼	2½
Price, Ea. ..	\$ .05	\$ .05	\$ .06	\$ .06	\$ .06	\$ .06	\$ .08	\$ .08	\$ .11	\$ .11	\$ .11	\$ .11	\$ .12	\$ .13	\$ .16
Size, In. ..	2¾	3	3¼	3½	3¾	4	4¼	4½	4¾	5	5½	5¾	6	7	8
Price, Ea. ..	.18	.20	.25	.30	.36	.42	.49	.55	.60	.63	.85	1.00	1.10	1.80	2.30

Plunger Leathers, 1⅞", Soft, for Compressed Air Sprayers and Faultless Sprayers. Price, Each. . \$ .10

Fig. 2763, Cup Leathers (Special Tanning) For Power Spray Pumps and Car Washers JVUJA

Size and Price, Each .....	2", \$.30	2¼", \$.32	2½", \$.36	3", \$.45
Give Number of Pump .....				

Canvas Cups, Solid or Open Center, (State Which) JVUKY

Size, In. ....	1¾	2	2¼	2½	3	3½
Price, Each .....	\$ .25	\$ .30	\$ .35	\$ .37	\$ .40	\$ .70
Size, In. ....	4	4½	5	6	7	8
Price, Each .....	.90	1.15	1.40	2.10	3.00	4.00

Fig. 1646, Check Valve Leathers JVUMU

Diam. Cyl. In. ....	2	2¼	2½	2¾	3	3¼	3½	3¾	4	4½	5	6
Price, Each .....	.08	.10	.12	.14	.16	.19	.22	.24	.26	.35	.45	.65

When ordering Check Valve Leathers, state inside diameter of the cylinder and if for iron, brass lined or brass cylinder; also if for inside or outside capped cylinder. See R40 Repair Catalog.

Leathers For Check and Foot Valves, Figs. 418, 421 and 422 JVUOP

Pipe Size, In. ....	1	1¼	1½	2	2½	3	3½	4
Check Valve Leathers, For Fig. 418, Price, Each .....	\$ .08	\$ .10	\$ .12	\$ .24	\$ .35	\$ .45		
Check Valve Leathers, For Fig. 421, Price, Each .....	.35	.45	.65	.95	1.20	1.40		
Check Valve Leathers, For Fig. 422, Price, Each .....	.14	.14	.22	.26	.35	.65	.95	1.20

Check Valve Leather, discharge on Siphon Pumps, Nos. 159 to 162, 1½" Discharge 5½" Diam. Each ..... \$ .65  
 Check Valve Leather, discharge on Siphon Pumps, Nos. 163 to 164, 2" Discharge 6⅝" Diam. Each ..... .95

Fig. 1923, Leather Gaskets For Above Glass Seats JVUUD

Diam of Cyl. and Price Ea. ....	2½", \$.06	3", \$.06	3½", \$.09	4", \$.10
Give inside diameter of Lower Cylinder. ....				

Fig. 1923



Fig. 1923, Leather Gaskets For Cylinder Caps JVUYV

Diam. Cyl. In., ....	2	2¼	2½	2¾	3	3¼	3½
Price, Each .....	\$ .06	\$ .06	\$ .06	\$ .06	\$ .06	\$ .08	\$ .08
Diam. Cyl. In., ....	4	4½	5	5½	6	7	
Price, Each .....	.10	.12	.15	.20	.25	.40	

Give diameter of Cylinder and state if Cylinder is iron, brass lined or brass, inside or outside capped.

Leather Gaskets for Hose Couplings up to 1 inch. Price, Doz. .... \$ .12  
 Leather Gaskets and Packing Rings for all Spray Nozzles and Male Ends. Price, Doz. .... .10

LEATHER WASHER ABOVE CUP LEATHER FOR UPPER PLUNGER

State Size Inside Diam. of Plunger Tube or Upper Cylinder. Price, Doz. .... .25  
 Leather Faces for Three-Way Valves, Price, Each. .... .03





**REPAIRS—Fig. 3148 Flanged Wiping Leathers for Piston Rods and D.A. Cylinders JYAEH,**  
when ordering give Number of Pump.

Fig. 3148



Diam. of Piston Rod, In.	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{8}$	$1\frac{3}{8}$	$1\frac{11}{16}$	$2\frac{1}{4}$	$2\frac{11}{16}$
Price, Each.....	.06	.06	.06	.10	.15		.50	.20				
Outside Diam. of Inner Tube E.-D.A. Cyl., In.						$\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{8}$	$1\frac{3}{8}$	$1\frac{11}{16}$	$2\frac{1}{4}$	$2\frac{11}{16}$
Price, Each.....						.25	.30	.35	.50	.70	.90	1.20

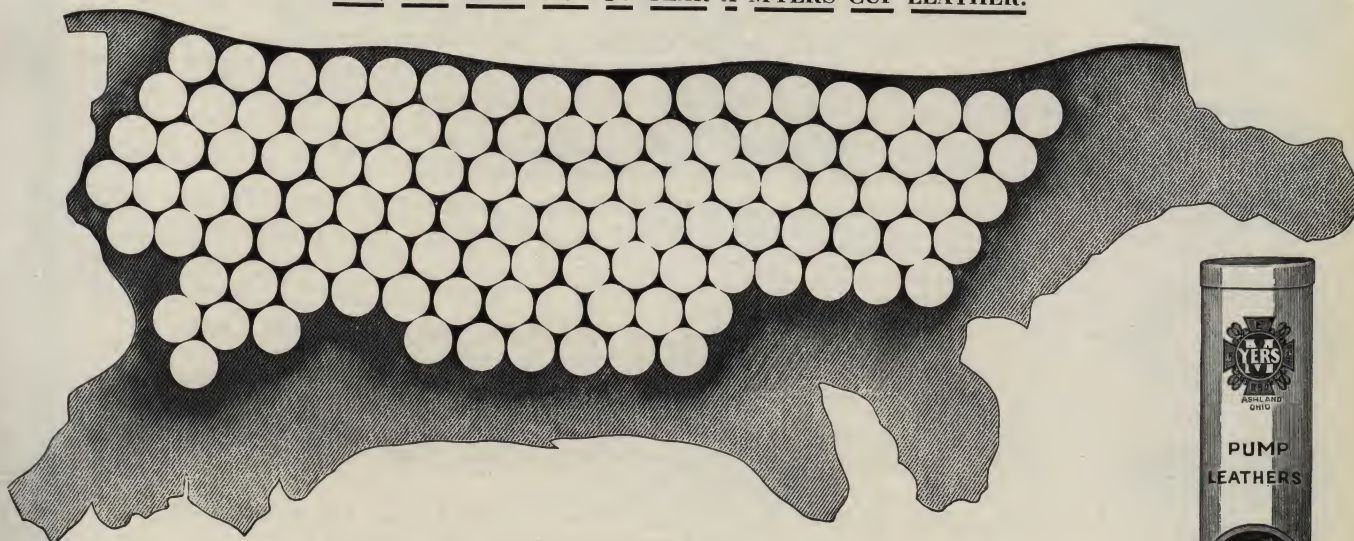
## MYERS QUALITY PUMP LEATHERS

Made of Selected Tanned Stock, scientifically treated, formed and sized by special process to resist chemical action of water and other elements which attack them and to withstand severe pumping

service, are formed with the Hair Side Out, which also makes an attractive finish. They are just as good as they look.

Smooth — Durable — Dependable

CUT, AND THEN TRY TO TEAR A MYERS CUP LEATHER.



The above cut illustrates another reason why Myers Pump Leathers are the best and should cost more. We use the Body Leather only, as shown in the Hide above, from which the material for Pump Leathers

has been removed—no Neck, Leg, Belly, or other poor quality part of the Hide ever goes into Myers Pump Leathers.

## REPAIRS—RUBBER SUNDRIES

Fig. 1922

Fig. 1922, RUBBER VALVES FOR POWER PUMPS



No.	Diam. In.	Thick In.	Hole In.	For Pumps	Price
36	$1\frac{3}{8}$	$\frac{5}{16}$	$\frac{5}{16}$	Nos. 600, 602, 605, 606, 609, 906, 1906, 909, 1909, 625AM, 925AM, 1925AM, 626AM, 926AM and 1926AM.....	\$ .10
41	$1\frac{3}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	Nos. 608 and 624AM .....	.15
32	2	$\frac{3}{8}$	$\frac{7}{16}$	Nos. 610, 910, 612, 912, 501, 456 and 502 .....	.15
79	$2\frac{1}{16}$	$\frac{5}{16}$	$\frac{5}{16}$	Nos. 901 and 902 .....	.15
27	$2\frac{5}{8}$	$\frac{1}{2}$	$\frac{7}{16}$	Nos. 613, 913, 503, 504, 351, 353, 362, 642, and 644 Suction .....	.30
34	$3\frac{1}{8}$	$\frac{5}{8}$	$\frac{9}{16}$	Nos. 614, 914, 505, and 645 Suction .....	.45
29	$3\frac{3}{4}$	$\frac{5}{8}$	$\frac{9}{16}$	Nos. 615, 915, and 363 and Discharge on 642 and 644 .....	.65
30	$4\frac{1}{2}$	$\frac{5}{8}$	$\frac{9}{16}$	Nos. 352, 346, 616, 916, and 618 and Discharge on 645 .....	1.00





Fig. 1919



Fig. 2764



Fig. 2765



Fig. 1920

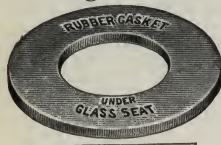


Fig. 2768

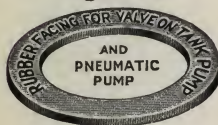


Fig. 2769



Fig. 2877



Fig. 2767



## REPAIRS—RUBBER SUNDRIES (CONT'D)

**Fig. 1919, Rubber Expansion Discs For Branch Pipe D. A. Pumps Only JVVOO**

Rubber Sundries Number	90	91	92
Size, Diameter Upper Cylinder in Inches	1 $\frac{3}{4}$	2 $\frac{1}{16}$	2 $\frac{1}{2}$
Size, Diameter Lower Cylinder in Inches	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$
Price, Each	\$ .20	\$ .25	\$ .30

**Fig. 2764, Rubber Expansion Discs For Upper Plunger On Deep Well Power Pumps JVVYU**

Rubber Sundries Number	80	40	103
Inside Diameter of Brass Tube, Inches	1 $\frac{1}{4}$	1 $\frac{3}{4}$	2 $\frac{1}{2}$
Price, Each (Specify Diameter of Hole for Piston Rod.)	\$ .15	\$ .20	\$ .30
Rubber Expanding Disc for Air Compressor or Air Pump. No. 61, Price, Each	\$ .10		

**Fig. 2765, Rubber Expansion Discs For Power Spray Pumps and Auto Washers JVWEI**

Rubber Sundries Number	43	42	
Inside Diameter of Cylinder, Price, Each	2" \$ .30	2 $\frac{1}{2}$ " \$ .30	3" \$ .36

**Fig. 1920, Rubber Gaskets Under Glass Valve Seats JVWIA**

Size, Diameter Cylinder in Inches	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4
Rubber Sundries Number	9	8	11	13
Size, Actual Outside Diameter of Gasket in Inches	2 $\frac{1}{4}$ "	2 $\frac{13}{32}$ "	3 $\frac{1}{16}$ "	3 $\frac{3}{16}$ "
Rubber Gasket, to underlie Glass Valve Seat. Price, Each	\$ .06	\$ .06	\$ .10	\$ .15

**Rubber Gaskets Between Cylinder and Base of House Pumps JVXUA**

Rubber Sundries Number	14	12	Rubber Gasket Head House Force Pump
Size Diameter Cyl. in Inches	3"	3 $\frac{1}{2}$ "	No. 33 for R410 Pump, Price, Each \$ .15
Price, Each	\$ .06	\$ .08	No. 44 for R414 Pump, Price, Each \$ .15

**Fig. 2768, Rubber Facing For Drop Check On Tank and Hydro-Pneumatic Pumps JVYFE**

Give Repair Number of Drop Check. See Numbers 15-16-31 and 37, Page 18 Rep. Cat. R40. Price, Each \$ .05

**Fig. 2769, Rubber Facing For Valve On Cock Spout Fig. 911 (For House Pump) Rubber Sundries Nos. 24 (3/4" Hole) and 26, (7/32" Hole) Price, Each**

..... \$ .10

**Fig. 2769, Rubber Facing For Valve On Cock Spout Fig. 1185 (For Pump Stand) Rubber Sundries No. 18, Price, Each**

..... \$ .10

**Fig. 2877, Faultless Check Valve Facing JVYAO**

Diam. Cylinder	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{2}$	4
Rubber Sundries No.	86	86	87	88	89
Diam. Rubber	1 $\frac{3}{4}$ "	1 $\frac{3}{4}$ "	2"	2 $\frac{5}{16}$ "	2 $\frac{3}{16}$ "
Price, Each	\$ .10	\$ .10	\$ .12	\$ .15	\$ .20

**Fig. 2767, Rubber Valve Facing for Poppet Valve for Figs. 214, 215, 976, 2458, 2459, 2864, 2865, 3204, 3205 and 3207 Cylinders and House Pumps JVYDI**

Diam. of Cyl. Inches	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{2}$	4
For Plungers, for Cylinders, Figs. 2458, 2459, 2864, 2865, 3204, 3205, 3207.	Rubber Facing No. 46	54	56	57	58	17	59	60
	Actual Dimensions 2 $\frac{9}{32}$ x $\frac{3}{16}$	1x $\frac{3}{16}$	1 $\frac{9}{32}$ x $\frac{3}{16}$	1 $\frac{3}{8}$ x $\frac{3}{16}$	1 $\frac{9}{16}$ x $\frac{3}{16}$	1 $\frac{11}{16}$ x $\frac{3}{16}$	2 $\frac{3}{16}$ x $\frac{3}{16}$	2 $\frac{11}{16}$ x $\frac{3}{16}$
	Price, Each	\$ .07	\$ .07	\$ .07	\$ .07	\$ .07	\$ .10	\$ .15
For Lower Valves, for Cylinders, Figs. 214, 215, 976, 2458, 2459, 3204, 3205, 3207.	Rubber Facing No. 55	57	57	17	17	18	19	20
	Actual Dimensions 1 $\frac{1}{8}$ x $\frac{3}{16}$	1 $\frac{3}{8}$ x $\frac{3}{16}$	1 $\frac{3}{8}$ x $\frac{3}{16}$	1 $\frac{11}{16}$ x $\frac{3}{16}$	1 $\frac{11}{16}$ x $\frac{3}{16}$	2x $\frac{3}{16}$	2 $\frac{3}{8}$ x $\frac{3}{16}$	2 $\frac{3}{8}$ x $\frac{3}{16}$
	Price, Each	\$ .07	\$ .07	\$ .07	\$ .07	\$ .10	\$ .15	\$ .20

**Fig. 2767, Rubber Valve Facing for Poppet Valve On Working Barrels, Figs. 2419, 2460, 2461, 2482, 2558, 2664, 2897 and 3102 JVYEG**

Diam. of Cyl., Inches	1 $\frac{13}{16}$	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$	4 $\frac{3}{4}$	5 $\frac{3}{4}$
For Plunger and Lower Valve	Rubber Facing No. 46	47	48	49	50	51	52
	Actual Dimensions 2 $\frac{9}{32}$ x $\frac{3}{16}$	1 $\frac{1}{4}$ x $\frac{3}{32}$	1 $\frac{9}{16}$ x $\frac{3}{16}$	1 $\frac{11}{16}$ x $\frac{3}{16}$	2 $\frac{5}{16}$ x $\frac{3}{16}$	3 $\frac{3}{16}$ x $\frac{1}{4}$	3 $\frac{5}{16}$ x $\frac{3}{16}$
	Price, Each	\$ .10	\$ .12	\$ .15	\$ .20	\$ .25	\$ .70



# MYERS

## MYERS SELF-OILING COMPLETE AUTOMATIC WATER SYSTEMS AND PUMPS

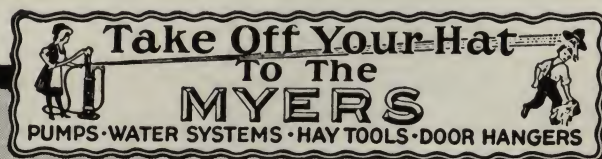
FOR SHALLOW WELLS

250 TO 750 GALLONS PER HOUR  
CAPACITIES

ELECTRIC MOTOR OR GASOLINE  
ENGINE POWERED

FOR PRESSURE OR GRAVITY  
SERVICE

SEE REPAIR CATALOG FOR REPAIRS



WATER  
SYSTEMS

S-O.S.W.  
POWER

S-O.D.W.  
POWER

PUMP  
JACKS

ELECTO  
PUMPS

CENTRI-  
FUGIALS

ACCESS-  
ORIES

HAND  
SPRAY

POWER  
SPRAY

SPRAY  
ACCESS

POWER  
WASHERS

HAY  
TOOLS · TINE I

ENG  
TOILE

INDEX





## SELECTION OF THE PROPER PUMP OR SYSTEM

The information given below will assist the Dealer in selecting the System best suited for different requirements. MYERS Pumps are built with capacities equal to all requirements. We suggest, that for best results, our recommendations be followed closely.

The depth to low water level determines the type of pump required. If low water does not exceed 25 feet below pump, use a Shallow Well Pump. If more than 25 feet to water level, use a Deep Well Pump.

See Plate 18 Page 393

### For Use in Connection with a Cistern, Shallow Well or Spring, for Supplying Soft Water for Bath, Kitchen and Laundry

Fixtures to Be Supplied	System Recommended
Example No. 1 1 Complete Bath Room, Kitchen Sink, 1 Set of Laundry Trays.	Shallow Well System No. 1906AT, 1909AT or 1909AELT. See Pages 89 or 93.
Example No. 2 Same as above and including 1 Shower Bath and Sprinkling.	Shallow Well System No. 1909AT or 1909AELT. See Pages 89 or 93.
Example No. 3 2 Complete Bath Rooms with Showers, Kitchen Sink, 1 Set of Laundry Trays and Sprinkling.	Shallow Well System No. V912AMT, Page 98; V912AET, Page 105 or No. 901AT, Page 92.
Example No. 4 3 Complete Bath Rooms with Showers, 1 Kitchen Sink, Laundry Trays and Sprinkling.	Shallow Well System No. V913AMT (120 Gal. Tank). See Page 98.
<b>For Use in Well or Spring; for Drinking, Cooking, Toilet, Watering Stock, Sprinkling, Etc.</b>	
Example No. 5 Country Homes accommodating 3 Persons, 6 Head of Stock and Sprinkling.	Shallow Well System No. 1909AT or 1909AELT. See Pages 89 and 93. *Deep Well System No. V2950AMT, or V2950AET—2½" Cyl. See Pages 120 and 123.
Example No. 6 Country Home accommodating 5 Persons, 20 Head of Stock, Sprinkling, Etc.	Shallow Well System No. V912AMT, V912AE or 901AT. See Pages 92, 98 and 104. *Deep Well System No. V2958AMT—2¾" W. B. See Page 127. V2958AET Page 123.
Example No. 7 Country Home accommodating 6 Persons, 40 Head of Stock, Sprinkling, Etc., or Central School Building by using larger Tank.	Shallow Well System No. V913AMT. See Page 98. *Deep Well System No. V2959AMT—3¾" W. B. See Page 127.
Example No. 8 Large Country Home or Small Hotel.	Shallow Well System No. V913AMT—(315 Gal. Tank). See Page 98. *Deep Well System No. V2959AMT, 3¾" W. B. (315 Gal. Tank). See Page 127.
Example No. 9 Country Club, House Only.	Shallow Well System No. V913AMT (315-530 Gal. Tank). See Page 98. *Deep Well System No. V2960AM, 3¾" W. B. (315-530 Gal. Tank). See Page 130.
Example No. 10 Country Club, 9 Hole Course, 18 Hole Course.	Shallow Well System No. V915AM (220-530 Gal. Tank or Larger). See Page 99. *Deep Well System No. 664AM, 5¾" W. B. (220-530 Gal. Tank or larger). See Page 133. Size Tank Depends on Requirements.

Example No. 11  
Irrigation, Overhead Sprinkling System. (See Page 401)  
  
Requires 60 Gallons per Minute per Acre at 30 lbs. Pressure.

**Pump Recommended**  
 No. 912- 9 Gal. Minute to cover ⅛ acre. (Section)  
 No. 913-17 Gal. Minute to cover ¼ acre. (Section)  
 No. 914-30 Gal. Minute to cover ½ acre. (Section)  
 No. 915-45 Gal. Minute to cover ¾ acre. (Section)  
 No. 916-66 Gal. Minute to cover 1 acre. (Section)  
 No. 618-150 Gal. Minute to cover 2 acres. (Section)  
 Large Plots Sprinkled in Sections.  
 7 Gallons per Minute will cover a Space 100x50 ft.

The water available for use from a Pressure Tank when supplied with proper amount of air which should be from 45 to 50% of the Tank at 40 lbs. Pressure, it will discharge about one-fifth of the capacity of the Tank before the pressure falls to 20 lbs. and the Pump starts automatically.

**For More Complete Deep Well Selective Chart see Pages 118 to 119**

\* Also see Pages 153 to 184 for complete information on Ejecto Water Systems for pumping from deep wells of 25 to 120 feet water levels.





## MYERS SELF-OILING AUTOMATIC WATER SYSTEM

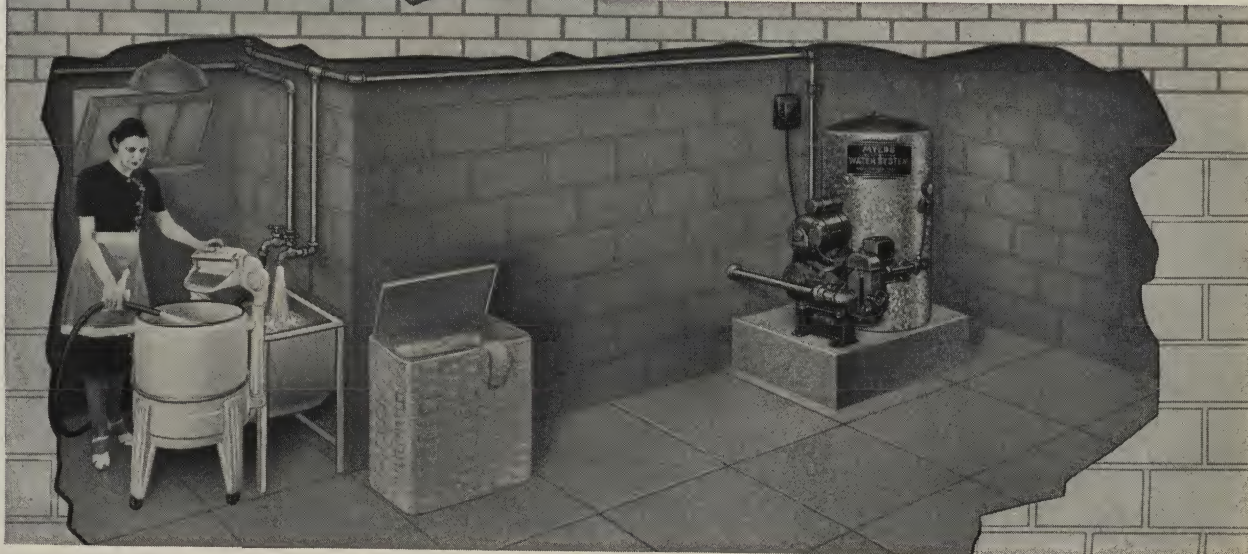
For Pumping From Shallow Wells and Cisterns

Electrically Operated—Automatically Controlled



Pictured here is the most popular and satisfactory Shallow Well Water System installation for the average residence. This type of Myers Water System, in 250, 340, 500 or 750 gallon per hour capacities will supply water service for bath, toilet, cooking and other ordinary household and farm duties. The 42 gallon pressure tank provides a reserve supply to take care of demands at several outlets simultaneously. In the average residence the entire capacity of a tank of this size is changed several times daily, preventing water from becoming warm or stale. The tank as shown is usually placed in the basement.

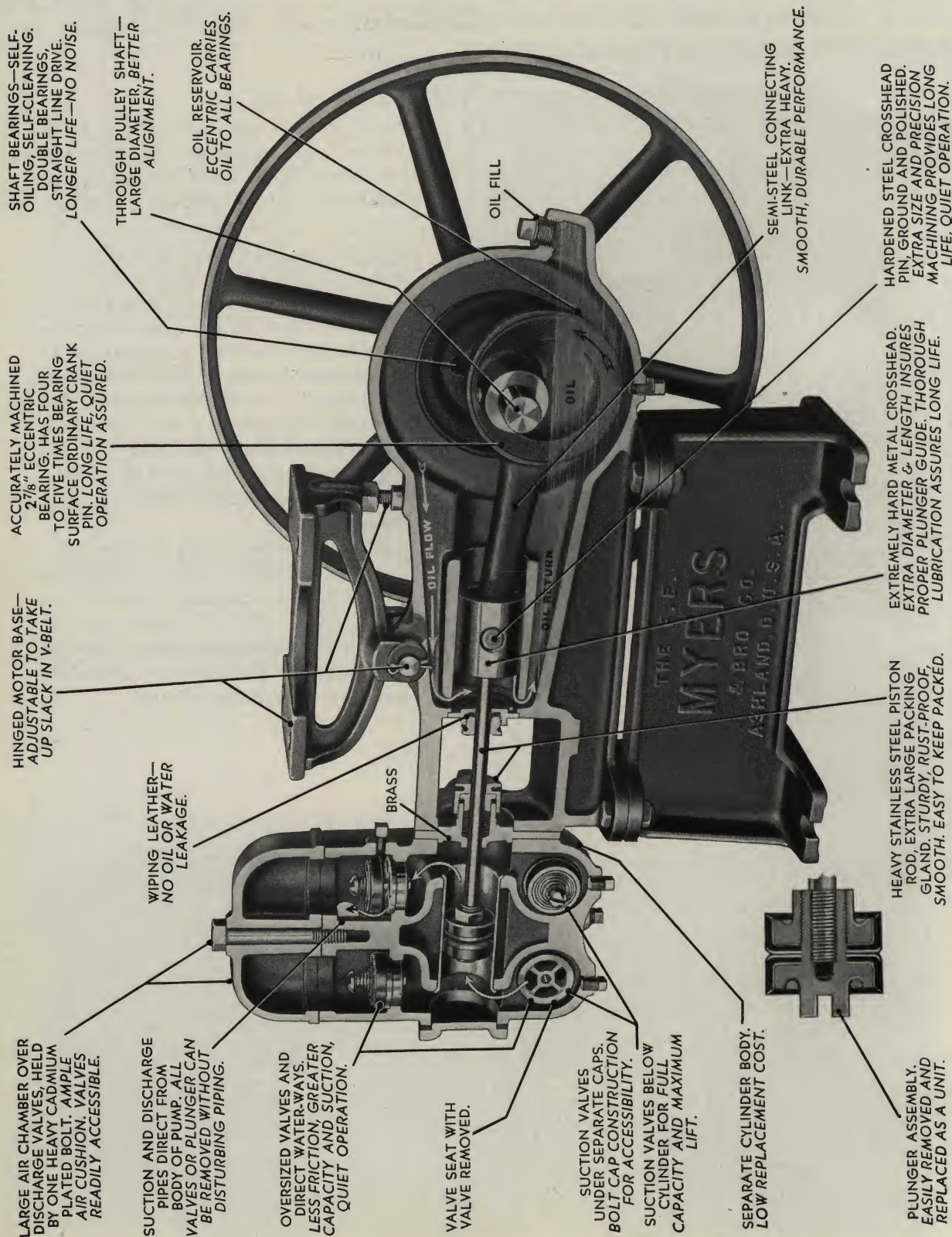
Although these outfits make up the majority of all systems used for residence service there are occasional installations where larger MYERS systems are required. The principles involved in the installation and operation of these larger outfits are essentially the same.







# QUALITY AND CONSTRUCTION FEATURES OF THE MYERS SELF-OILING ELECTRIC PUMP







# MYERS SELF-OILING ELECTRIC PUMP AND WATER SYSTEMS

PATENTED

Made in Four Sizes: 250, 340, 500 and 750 Gallons Per Hour

For Use In Raising Water Not Exceeding 25 Feet Vertical Lift To Low Water Level

Study the illustration on the opposite page for a thorough acquaintance and familiarity with the many points of superiority in construction and design which have made Myers Electric Pumps notable in popularity. The advantages of these superiority features resulting in dependable service, ease of maintenance, and low upkeep and operating cost appear in *italic* type.

## CONSTRUCTION FEATURES

**SELF-OILING**—Working parts of power end of pump run in oil, insuring perfect lubrication for months at a time without attention.

**PULLEY SHAFT**—Supported by long bearings at either side of pump—not a single bearing on one side only.

**SHAFT BEARINGS**—Extra long, renewable, *Self-oiling and self-cleaning*, with provision for taking care of any side thrust that may occur. Oil grooves are provided to thoroughly distribute oil throughout entire length of bearing.

**CONNECTING LINK AND ECCENTRIC**—These parts run in oil and because of their size provide about four times the bearing surface offered by an ordinary crank type. The eccentric is securely pinned onto shaft with a tapered steel pin. Connecting link is of semi-steel with oil groove in top edge to feed oil to crosshead pin.

**CROSSHEAD**—Extra long, of extremely hard metal, thoroughly lubricated by oil splash from movement of eccentric and connecting link. Crosshead is connected to link by means of a hardened ground and polished steel pin.

**PISTON ROD**—Is of stainless steel, threaded into crosshead and pinned in place to prevent unscrewing. Packing nut with wiping leathers is provided on piston rod at crankcase end to prevent water from following along rod and entering oil chamber. Generous packing space, with brass gland, follower and nut, is provided at cylinder end of piston rod to prevent leakage of water.

**PLUNGER**—Brass castings inside the cup leathers and pressed brass plates outside hold leathers in shape. Plunger is assembled and threaded onto piston rod as a unit and may be removed with screw driver.

**CYLINDER**—The body is cast iron with brass lining set securely in place by rolling ends of liner. This liner may be renewed if necessary. Extra large water passages are provided to permit easy flow of water.

**VALVES**—Suction valves are located below plunger and discharge valves above plunger, providing the most direct possible flow of water from inlet to discharge. Valves are live rubber discs, noiseless in operation, with pressed brass plates and springs above the valve to provide quick closing and reduce slippage. Brass valve seats of the grid type are pressed firmly into cylinder body casting. Valves and seats are oversize to reduce friction, requiring less power to operate. Large air chamber held by one bolt is provided over discharge valves to perfectly cushion the discharge stream.

**VACUUM AND PRIMING CHAMBER**—The flow of water into the pump is cushioned by the vacuum and priming chamber on the suction line. This chamber holds the water above the suction valves and in the cylinder and keeps the pump primed. Actual priming of the pump is accomplished through a plug in the top of this chamber.

**SUCTION AND DISCHARGE LINES**—Taken from side of cylinder body. It is never necessary to disconnect any of the piping to get at the inside of the pump.

## EQUIPMENT

**MOTOR**—For Single Phase, Alternating Current—Capacitor Type Motors with built-in overload protection are furnished—no brushes or commutator to require servicing.

$\frac{1}{8}$  HP and  $\frac{1}{4}$  HP sizes are for single voltage only.

$\frac{1}{8}$  HP,  $\frac{1}{2}$  HP and  $\frac{3}{4}$  HP sizes are for dual voltage.

**For Direct Current**—All motors are for single voltage only—not available with overload protection built into the motor. Overload protection is provided in pressure switch for as large as  $\frac{1}{8}$  HP, 32 volt motors and  $\frac{1}{2}$  HP, 115 volt or 230 volt motors.

All  $\frac{1}{8}$  HP and  $\frac{1}{4}$  HP motors are wired up to the pressure switch—larger sizes are not wired.

**DRIVE**—V belt with grooved pulley on motor and flat face pulley on pump. Provides even distribution of wear on belt resulting in longer life. Belt can be kept at proper tension by adjusting motor bracket.

**PRESSURE SWITCH**—2 pole automatic pressure switch furnished on all units with pressure tank or for pressure tank service. All pressure switches are regularly furnished to cut in at 20 pounds and cut out at 40 pounds.

**Caution:** Increasing of pressure setting of switch might overload motor.

**PRESSURE TANK**—Galvanized, electric welded, for 75 pounds working pressure. Galvanized after welding.

**AUTOMATIC AIR VOLUME CONTROL**—Included with all pressure tank units. Automatically maintains correct proportion of air and water in tank.

The 340 Gallon Pump Will Supply a  $\frac{3}{4}$ " Gem Nozzle Wide Open at 35 Pounds for Sprinkling Purposes.

Electric House Pumps in All Four Sizes Equipped with Brass Drain and Priming Chamber Plugs

S-O.S.W. POWER  
S-O.D.W. POWER  
PUMP JACKS  
ELECTRIC PUMPS  
CENTRAL  
ACCESSORIES  
HAND SPRAY  
POWER SPRAY  
SPRAY ACCESS  
POWER WASHERS  
HAY TOOLS  
GOLF H. TOOLS  
ENG. DATA  
INDEXES





# THE MYERS SELF-OILING ELECTRIC PUMP

*Perfect and Continuous Lubrication*

PATENTED

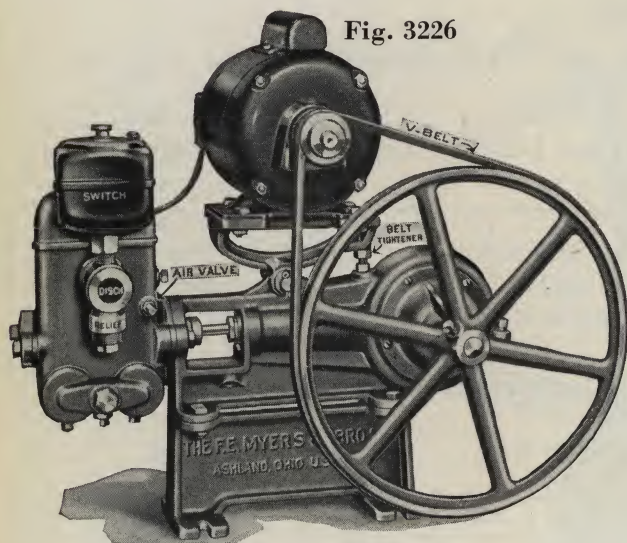


Fig. 3226

## CAPACITY

250 Gallons Per Hour      340 Gallons Per Hour  
210 R. P. M.

Wired Between Motor and Switch

Automatically Controlled      Overload Protection  
Economical      Efficient

Operated from Any Kind of City Current or  
from Farm Lighting and Power Systems

For Use in Raising Water Not Exceeding 25 Feet  
Vertical Lift to Low Water Level

**FLOOR SPACE:**  
Width 25", Depth 12" x 19½" High

For complete description see Pages 86 and 87.

## PRICE LIST, Represented by Fig. 3226

### FOR PRESSURE TANK SYSTEMS

Pump No.	Capacity Gals. per Hour	Motor		Suction Inch	Discharge Inch	Weight	Code	Price
		H.P.	Current					
1906A	250	1/6	A.C.	3/4	3/4	124	KIFHI	\$ 59.00
1909A	340	1/4	A.C.	1	3/4	130	KIFIG	63.00

The 1909A, when fitted with 1/3 H. P., A. C. Motor, add to above price.....KIVAG \$ 8.00

The above Pumps are complete with 1 Phase, 60 Cycle, 110 V., A. C. Motor, Vacuum Chamber, Relief Valve, Air Valve, V-Type Belt, Pressure Control Switch, Overload Protection and Wiring between Motor and Switch. Piston Rod is Stainless Steel.

Motor for 220V., A. C. Current furnished when Specified. No Extra charge.

The 1906A, with 1/6 H. P., D. C. MOTOR, add to the above price .....KIVBE \$ 8.00

The 1909A, with 1/4 H. P., D. C. MOTOR, add to the above price .....KIVDA 7.00

When Ordering Motors Give Repair Number of Motor Base on Pump.

### FOR OPEN TANK SYSTEMS

Pump No.	Capacity Gals. per Hour	Motor		Suction Inch	Discharge Inch	Weight	Code	Price
		H.P.	Current					
1906	250	1/6	A.C.	3/4	3/4	121	KIFLA	\$ 54.00
1909	340	1/4	A.C.	1	3/4	127	KIFMY	58.00

For 1/6 H. P. 50 Cycle motor, add to above price.....KIVEY \$1.25

For 1/4 H. P. 50 Cycle motor, add to above price.....KIVJO 1.25

Same equipment as for Pressure Tank Systems except Pressure Control Switch and Air Valve, which are not included.

Fig. 2833, Brass Foot Valve with Strainer for 3/4" pipe. .... \$1.25

Fig. 2833, Brass Foot Valve with Strainer for 1" pipe. .... 1.50

If Frequency, Voltage or Phase, are other than specified above, there will be an extra charge.

Specify Current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

For Tanks see page 222

REPAIRS: See Pages 22, 113 to 123, No. R40 Repair Catalog



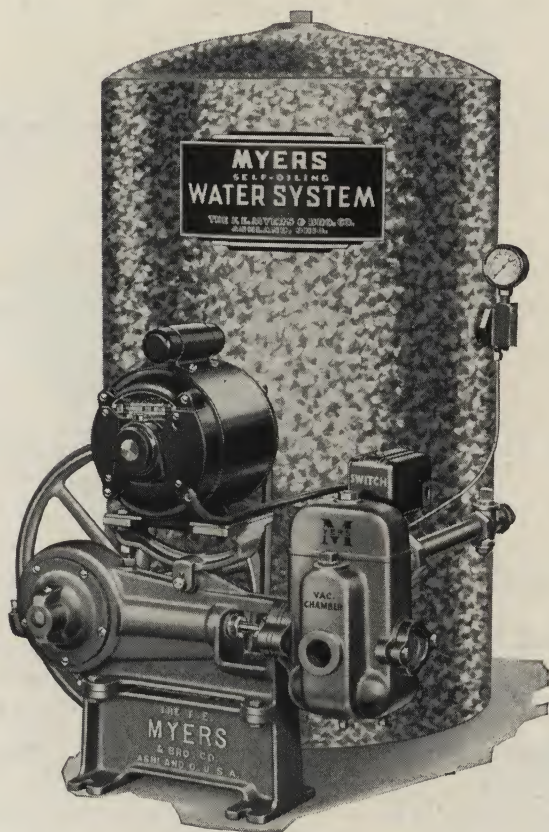


# MYERS SELF-OILING AUTOMATIC WATER SYSTEM

*Perfect and Continuous Lubrication*

PATENTED

Fig. 3208



Floor Space: 25" x 33" x 35" High

## Overload Protection

Complete Automatic Control  
No Personal Attention Necessary

## CAPACITY

250 Gallons Per Hour      340 Gallons Per Hour  
210 R. P. M.

Wired Between Motor and Switch

THE Myers Self-Oiling Home Water System is automatic. Its operation is controlled by an electric switch which automatically starts the pump when the pressure in the tank falls to 20 pounds and stops the pump when the pressure reaches 40 pounds. The pressure is always maintained between these two points.

The air supply in the tank is controlled by the Automatic Air Volume Control. No personal attention necessary.

For Use in Raising Water Not Exceeding 25 Feet  
Vertical Lift to Low Water Level

For complete description of Pump see Pages 86 and 87.

## PRICE LIST, Represented by Fig. 3208

Pump No.	Capacity Gals. per Hour	Motor		Suction Inch	Discharge Inch	Tank Galv.	Weight	Code	Price
		H. P.	Current						
1906AT	250	1/6	A. C.	3/4	3/4	42 Gal.	239	KIGNU	\$78.00
1909AT	340	1/4	A. C.	1	3/4	42 Gal.	245	KIGOS	82.00

The above Water Systems are complete with Motor, Vacuum Chamber, Relief Valve, Pressure Control Switch, Wired to Motor, Overload Protection, Pressure Gauge, V-Type Belt, 42 Gal. Galvanized Tank, Automatic Air Control and Piping between Pump and Tank. Piston Rod is Stainless Steel.

The 1909AT, when fitted with 1/6 H. P., A. C. Motor, add to above price.....KIVMI \$ 8.00

The 1906AT, with 1/6 H. P., D. C. Motor, add to the above price .....KIVOD 8.00

The 1909AT, with 1/4 H. P., D. C. Motor, add to the above price .....KIVUR 7.00

Fig. 2833, 3/4" Brass Foot Valve with Strainer. Extra Equipment Price ..... 1.25

Fig. 2833, 1" Brass Foot Valve with Strainer. Extra Equipment Price ..... 1.50

If Frequency, Voltage or Phase, are other than specified on Page 87 there will be an extra charge. Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

The No. 1909AT will supply a 3/4 inch Gem Nozzle wide open at 35 pounds pressure for sprinkling.

When Ordering Motors Give Repair Number of Motor Base on Pump.

For Larger Tanks see Page 222.

For Typical Installations see Pages 106-107.

REPAIRS: See Pages 22, 113 to 123, No. R40 Repair Catalog



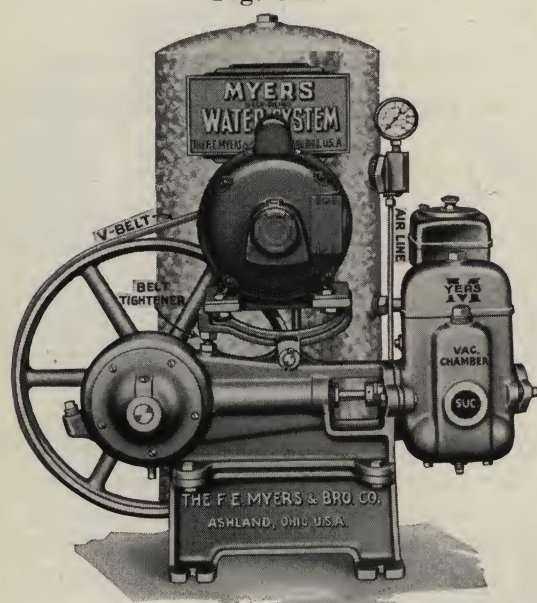


# MYERS SELF-OILING AUTOMATIC WATER SYSTEM

*Perfect and Continuous Lubrication*

PATENTED

Fig. 3227



**Complete Automatic Control  
Overload Protection  
No Personal Attention Necessary**

## CAPACITY

250 Gallons Per Hour      340 Gallons Per Hour  
500 Gallons Per Hour  
210 R. P. M.

The Myers Self-Oiling Water System is completely automatic. Its operation is controlled by an electric switch and an Automatic Air Volume Control Valve.

**For Use in Raising Water Not Exceeding 25 Feet  
Vertical Lift to Low Water Level**

Floor Space: 25" x 25" x 27" High

For complete description of Pump see Pages 86 and 87.

## PRICE LIST, Represented by Fig. 3227

### COMPLETE WATER SYSTEMS

Pump No.	Capacity Gals. per Hour	Motor		Suction Inch	Discharge Inch	Tank Galv.	Weight	Code	Price
		H.P.	Current						
1927AMT	250	1/6	A.C.	3/4	3/4	12 Gal.	156	KIGEN	\$ 70.00
1928AMT	340	1/4	A.C.	1	3/4	12 Gal.	179	KIGIF	74.00
*929AMT	500	1/2	A.C.	1 1/4	1	12 Gal.	219	KEWNA	107.00

\*The No. 929AMT is equipped with No. 901A Pump, see Fig. 3016.

The above Water Systems are complete with Motor, Vacuum Chamber, Relief Valve, Pressure Control Switch wired to Motor, (except 929AMT) Overload Protection, Pressure Gauge, V-Type Belt, 12 Gallon Galvanized Tank, Automatic Air Volume Control and Flexible Copper Connection between Pump and Tank. **Piston Rod is Stainless Steel.**

The No. 929AMT if furnished with 1/2 H.P., A.C. Motor Deduct ..... KIWAF \$ 7.00

Extra charge will be made for special switch with or without overload protection with larger than 1/2 H.P. 32 V., D. C. Motors.

The 1927AMT with 1/6 H.P. D.C. MOTOR Add to the above Price ..... KIWIP \$ 8.00

The 1928AMT with 1/4 H.P. D.C. MOTOR Add to the above Price ..... KIWNE 7.00

The 929AMT with 1/2 H.P. D.C. MOTOR Add to the above Price ..... KIWOC 10.00

The 1927AMT with 1/6 H.P. 50 Cycle Motor Add to the above Price ..... KIWPA 1.25

The 1928AMT with 1/4 H.P. 50 Cycle Motor Add to the above Price ..... KIWVO 1.25

The 929AMT with 1/2 H.P. 50 Cycle Motor Add to the above Price ..... KIYAD 2.00

Fig. 2833, 3/4" Brass Foot Valve with Strainer. Extra Equipment For No. 1927AMT ..... 1.25

Fig. 2833, 1 " Brass Foot Valve with Strainer. Extra Equipment For No. 1928AMT ..... 1.50

Fig. 2833, 1 1/4" Brass Foot Valve with Strainer. Extra Equipment For No. 929AMT ..... 2.00

Standard Motor on Nos. 1927AMT and 1928AMT is 110 Volt 60 Cycle, 1 Phase A. C.

Standard Motor on No. 929AMT is 110-220 Volt 60 Cycle, 1 Phase, A. C.

When Ordering Motors Give Repair Number of Motor Base on Pump.

If Frequency, Voltage or Phase, are other than specified on Page 87 there will be an extra charge. Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

The No. 1928AMT will supply a 3/4 inch Gem Nozzle wide open at 35 pounds pressure for sprinkling.

**For Typical Installations see Pages 106-107.**

**REPAIRS:** See Pages 22, 113 to 123, No. R40 Repair Catalog





# THE MYERS JUNIOR DIRECT WATER SYSTEM

*Self-Oiling Perfect and Continuous Lubrication*

PATENTED

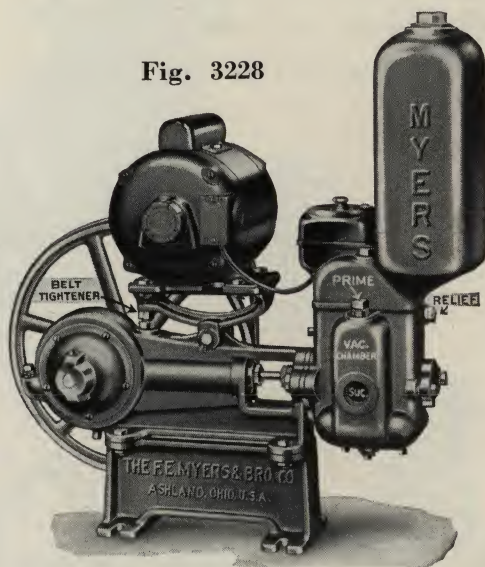
Complete Unit

No Storage Tank

Fresh Water Direct from the Well

Pumps Direct to the Faucets

Fig. 3228



Floor Space: Width, 28 in. Depth, 12 in. Height, 26 in.

**FIG. 3228** illustrates the Myers Junior Direct Water System—a complete unit. The only thing necessary for installation is to connect the Discharge to the House Line.

This Outfit is our No. 1909A or 1906A Self-Oiling Electric Pump with an extra large air chamber of sufficient size to properly cushion the stream.

**OPERATION:** The Myers Direct Water System is of sufficient capacity to pump directly against the

**CAPACITY**  
250 Gallons Per Hour      340 Gallons Per Hour  
210 R. P. M.

No. 1925AM Has Sufficient Capacity to Supply a Gem Nozzle at 35 lbs. Pressure for Lawn Sprinkling

Wired Between Motor and Switch  
Automatic Control      Overload Protection

The ordinary leakage of a defective faucet does not start the pump on a Myers Direct Water System as there is water in reserve to take care of minor defects in the plumbing.

faucets supplying an ordinary residence. The opening of any faucet starts the pump.

A Direct Water System *is not recommended*, especially where a Toilet is used in the System, for the reason that the inlet pipe to the tank on the Toilet is too small, causing the pressure on the Switch to build up to 40 lbs., stopping the Pump once or twice before the tank is filled. Wherever a Toilet is used, a regular Water System should be installed.

For Use in Raising Water Not Exceeding 25 Feet  
Vertical Lift to Low Water Level

For complete description of Pump see Pages 86 and 87.

## PRICE LIST, Represented by Fig. 3228

340 Gallons Per Hour. Will Supply a Gem Nozzle Wide Open at 35 Lbs. Pressure

No. 1925AM, Myers Junior Self-Oiling Direct Water System with No. 1909A Pump, complete as shown, including 1/4 H. P. 110 Volt, 60 cycle, single phase A. C. Motor, V-Belt, Electric Switch (wired to Motor), Overload Protection, Air Chamber and Relief Valve. Piston Rod is Stainless Steel. Weight 148 Lbs. .... KIFOT	Price
	\$64.00

250 Gallons Per Hour. Will Supply One Faucet Only

No. 1926AM, Myers Junior Self-Oiling Direct Water System with No. 1906A Pump, complete as shown, including 1/4 H. P. 110 volt, 60 cycle, single phase A. C. Motor, V-Belt, Electric Switch (wired to Motor), Overload Protection, Air Chamber and Relief Valve. Piston Rod is Stainless Steel. Weight 144 Lbs. .... KIGAV	60.00
For 1/2 HP D. C. MOTOR Add to the above Price .....	KIYEV 8.00
For 1/4 HP D. C. MOTOR Add to the above Price .....	KIYIN 7.00
Fig. 2833, 3/4" Brass Foot Valve with Strainer. Extra Equipment for No. 1926AM.....	1.25
Fig. 2833, 1" Brass Foot Valve with Strainer. Extra Equipment for No. 1925AM.....	1.50

When ordering Motors Give Repair Number of Motor Base on Pump.

If Frequency, Voltage or Phase, are other than specified on Page 87, there will be an extra charge.

Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

For Typical Installations see Pages 106-107.

REPAIRS: See Pages 22, 113 to 123, No. R40 Repair Catalog



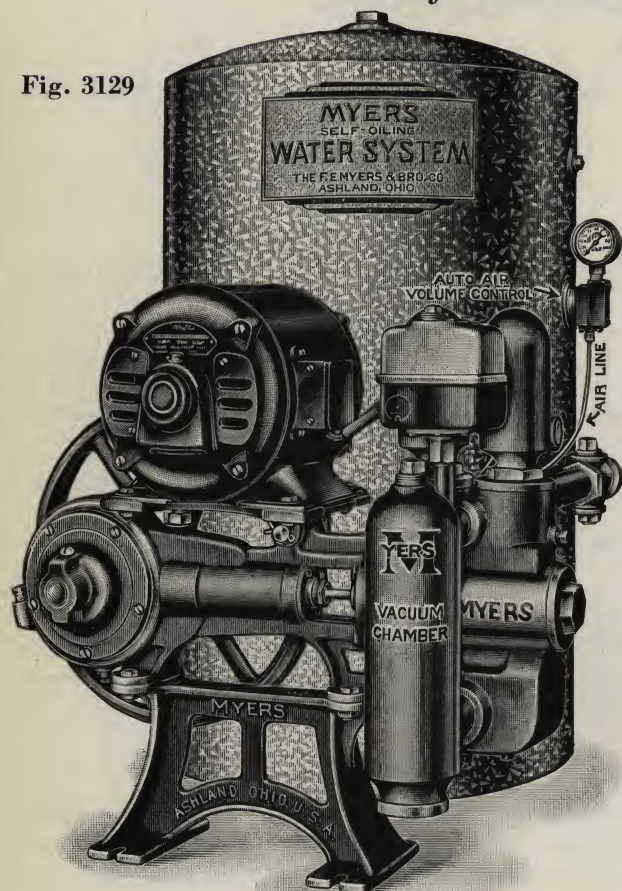


# MYERS SELF-OILING AUTOMATIC WATER SYSTEM

*Perfect and Continuous Lubrication*

PATENTED

Fig. 3129



Floor Space: Width 28", Depth 35" x 35" High

Extra charge will be made for special switch with or without overload protection with larger than  $\frac{1}{3}$  H.P. 32 V. or  $\frac{1}{2}$  H.P. 115 V. and 230 V. D.C. Motors.

## PRICE LIST, Water System Represented by Fig. 3129

Pump No.	Capacity Gals. per Hour	Motor 110-220 Volt		Suction Inch	Discharge Inch	Tank Galv.	Weight	Code	Price
		H.P.	Current						
901AT	500	$\frac{1}{2}$	A.C.	$1\frac{1}{4}$	1	42 Gal.	307	KEWET	\$114.00
902AT	750	$\frac{3}{4}$	A.C.	$1\frac{1}{4}$	1	42 Gal.	317	KEWIL	135.00

The above Water Systems are complete with Motor, Vacuum Chamber, Relief Valve, Pressure Control Switch, Overload Protection, Pressure Gauge, V-Type Belt, 42 Gal. Galvanized Tank, Automatic Air Control and Connecting Fittings. Piston Rod is Stainless Steel.

## Pumping Unit, Fig 3016, Includes Motor, Switch, Relief and Air Valve

901A	500	$\frac{1}{2}$	A.C.	$1\frac{1}{4}$	1		189	KEWOY	\$ 94.00
902A	750	$\frac{3}{4}$	A.C.	$1\frac{1}{4}$	1		190	KEWTO	115.00
FOR OPEN TANK SYSTEMS INCLUDES MOTOR AND RELIEF VALVE									
901	500	$\frac{1}{2}$	A.C.	$1\frac{1}{4}$	1		186	KEWUM	88.00
902	750	$\frac{3}{4}$	A.C.	$1\frac{1}{4}$	1		187	KEYAZ	109.00

For  $\frac{1}{2}$  or  $\frac{3}{4}$  H. P. 50 Cycle Motor, add to above price .....  $\frac{1}{2}$  H. P. KIYPY  $\frac{3}{4}$  H. P. KIYRU \$ 2.00  
 The 901AT, with  $\frac{1}{3}$  H. P., A. C. Motor, deduct from above price ..... KIYZE 7.00  
 The 901AT, with  $\frac{1}{2}$  H. P., D. C. Motor, add to the above price ..... KIZAC 10.00  
 The 902AT, with  $\frac{3}{4}$  H. P., D. C. Motor, add to the above price ..... KIZBA 11.00  
 Fig. 2833,  $1\frac{1}{4}$ " Brass Foot Valve with Strainer. Extra Equipment, Price ..... 2.00

If Frequency, Voltage or Phase, are other than specified above there will be an extra charge. Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

When Ordering Motors Give Repair Number of Motor Base on Pump.

For Larger Tanks see Page 222. For Typical Installations see Pages 106-107.

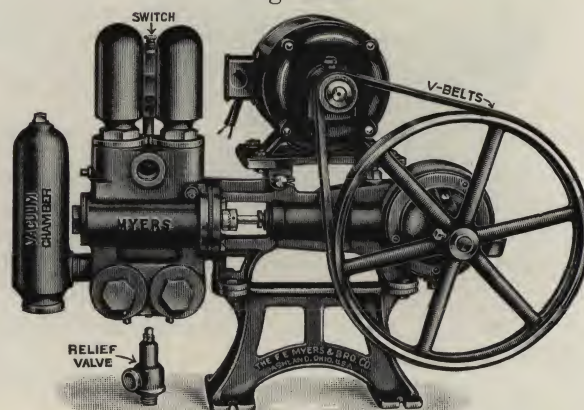
REPAIRS: See Pages 22, 113 to 123, No. R40 Repair Catalog

Overload Protection  
 Complete Automatic Control  
 No Personal Attention Necessary

## CAPACITY

500 Gallons Per Hour      750 Gallons Per Hour  
 210 R. P. M.

Fig. 3016



Floor Space: Width 28", Depth 15" x 22" High

For Use in Raising Water Not Exceeding 25 Feet  
 Vertical Lift to Low Water Level

For complete description of Pump see Pages 86 and 87

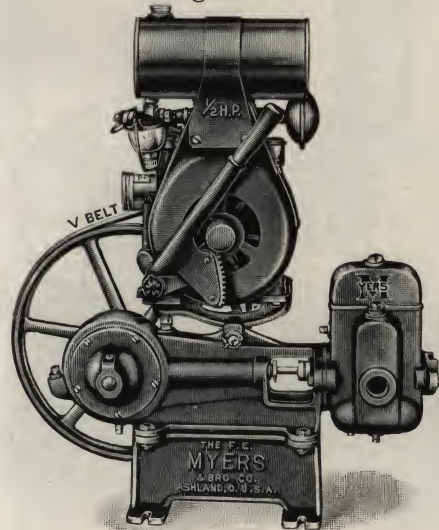




# THE MYERS JUNIOR SELF-OILING WATER SYSTEM

Fig. 3114

*Perfect and Continuous Lubrication*



## ENGINE DRIVEN WATER SYSTEMS

Capacity 340 Gallons Per Hour  
For Pressure Tank Service

For Use in Raising Water Not  
Exceeding 25 Feet Vertical Lift  
to Low Water Level

Floor Space: Fig. 3114  
Width 25", Depth 14" x 28" High

Fig. 3114 illustrates the Myers Junior Self-Oiling Pump No. 1909AEL, equipped with  $\frac{1}{2}$  H.P. Engine. While the Engine must be started by hand, it can be arranged to stop automatically by the use of a Circuit Breaker.

Fig. 3115 illustrates the Complete System as generally installed.

*For complete description of Pump see Pages 86 and 87*

## PRICE LIST, Represented by Fig. 3114

No. 1909AEL,	Myers Junior Self-Oiling Pump with $\frac{1}{2}$ H.P., 4 Cycle High Speed Air Cooled Engine with Magneto, includes Fig. 3029 Relief Valve and Schrader Air Valve, Fig. 3114	KISOG	Price \$83.00
No. 1909AELT,	Myers Junior Self-Oiling Water System complete with $\frac{1}{2}$ H.P., 4 Cycle High Speed Air Cooled Engine with Magneto, Circuit Breaker to stop the engine automatically, Pressure Gauge, Automatic Air Volume Control, Fig. 3036 Relief Valve and Cut-off. (PRESSURE TANK AND PIPING BETWEEN PUMP AND TANK NOT INCLUDED)	KISRA	98.00
	315 Gallon Galvanized Vertical Welded Tank	KEKOK	96.00

For Larger Tanks see Page 222

REPAIRS: See Pages 22, 113 to 123, No. R40 Repair Catalog

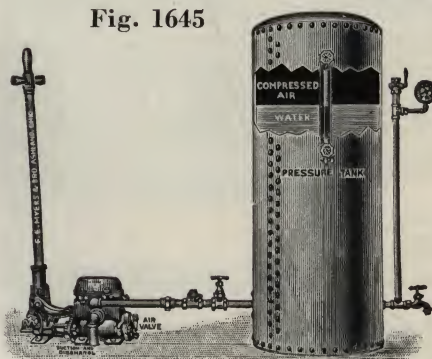
# THE MYERS COG GEAR HYDRO-PNEUMATIC FORCE PUMP

Fig. 1906

*Double Acting*

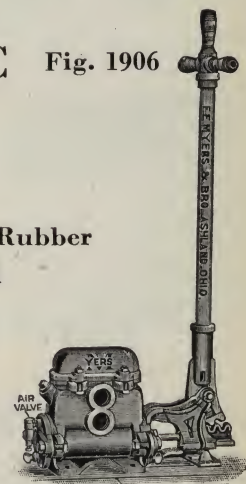
Equipped With Brass Valve Seats, Rubber  
Faced Valves and Brass Piston Rod

Fig. 1645



## PRICE LIST,

Represented by Fig. 1906



No. R283A,	Myers Cog Gear Hydro-Pneumatic Force Pump, as illustrated under Fig. 1906, 3 x 4 $\frac{1}{2}$ " brass lined cylinder, with 1 $\frac{1}{4}$ inch suction and discharge. Wt. 57 Lbs.	KAYIF	Price \$17.50
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REPAIRS: See Pages 22, 78, No. R40 Repair Catalog





# MYERS WATER SYSTEM DEMONSTRATORS



Fig. 3229  
KINOL

Appeal To The Three Important Senses — Hearing, Seeing and Feeling — To Increase Your Sales

Few are the dealers today who could not effectively use one or more of the fine Demonstrators shown here on their sales floor. The Tanks are available to you at a small part of their first cost for assisting you and your salesmen in selling Myers Self-Oiling Water Systems. They are made of Copper Bearing Galvanized Steel with wood top, nicely painted and decorated.

These Demonstrators can be used every month in the year—in window and on sales floor—at county fairs and other exhibits—they are an extremely important cog in the Myers Program.

Here are two excellent tips on how to use them to make more sales—

1. Always let the prospect turn the faucet. This will put him at ease and he will appreciate how easy it really is to have Running Water.
2. If customers are in your store see that the Demonstrator is operating — the clicking of the switch and the flowing of the water will always attract attention and in a great many instances a sale will be in the making before one word is spoken.

In short, one of the least expensive salesmen you can employ is the Myers Water System Demonstrator.

## SHIPPING WEIGHTS

Fig. 3229.....	345 lbs.
Fig. 3230.....	230 lbs.
Fig. 3231.....	485 lbs.
Fig. 3145.....	352 lbs.

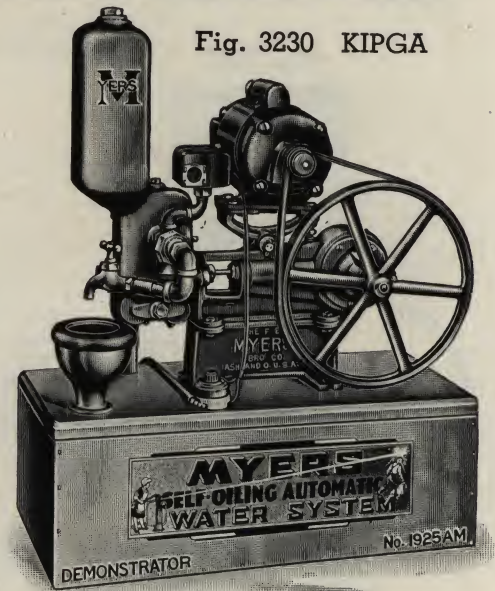


Fig. 3230 KIPGA

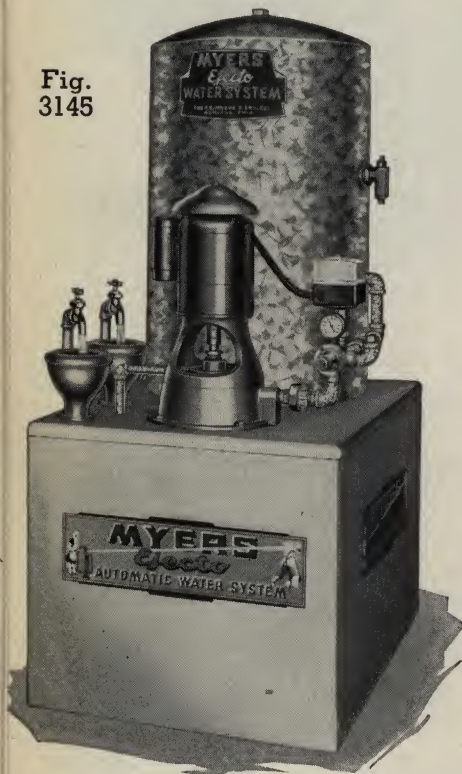


Fig.  
3145

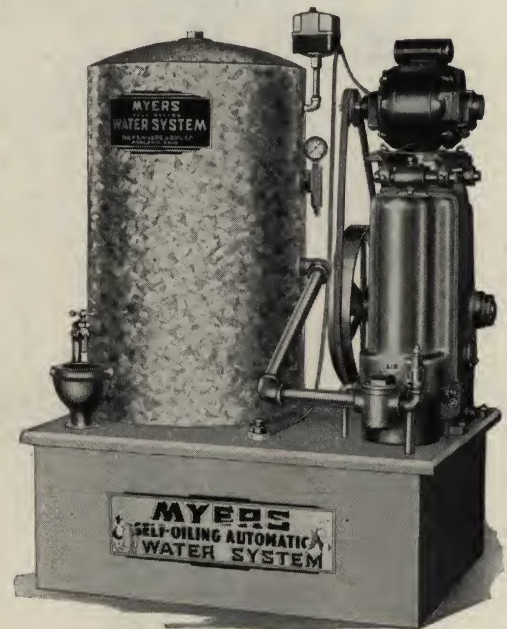


Fig. 3231 KIPAM

## PRICE LIST, Myers Demonstrator Tanks

Demonstrator Tank only as represented by Figs. 3229, 3230 and 3231 with Nickel Plated Bibb Cock, Funnel, Suction and Overflow Pipes. (to Dealer or Jobber).....NET, \$6.00

Ejecto Demonstrator Tank, as represented by Fig. 3145, with Nickel Plated Bibb Cock, Funnel, Suction and Overflow Pipes. (to Dealer or Jobber).....NET, \$8.00

Water Systems when supplied with above Demonstrator Tanks are invoiced in regular manner. Only  $\frac{1}{4}$  H.P. and  $\frac{1}{2}$  H.P. Systems will be furnished on Ejecto Demonstrator Tanks. Also in ordering Ejecto Demonstrator Tanks complete with system give Depth to Low Water Level in the majority of wells in your territory as the System furnished will be for well lift specified, then it can be sold later.

In ordering any of the above always specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.



# MYERS

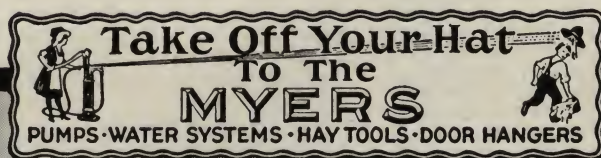
## MYERS SELF-OILING AUTOMATIC WATER SYSTEMS AND POWER PUMPS

FOR SHALLOW WELLS

500 TO 9000 GALLONS  
PER HOUR CAPACITIES

FOR PRESSURE OR FOR  
GRAVITY SERVICE

SEE REPAIR CATALOG FOR REPAIRS



S-O.S.W.  
POWER

S-O.D.W.  
POWER

PUMP  
JACKS

EJECTO  
PUMPS

CENTRI-  
FUGALS

ACCES-  
ORIES

HAND  
SPRAY

POWER  
SPRAY

SPRAY  
ACCESS

POWER  
WASHERS

HAY  
TOOLS

DOOR H.  
HANGERS

ENG.  
DATA

INDEXES

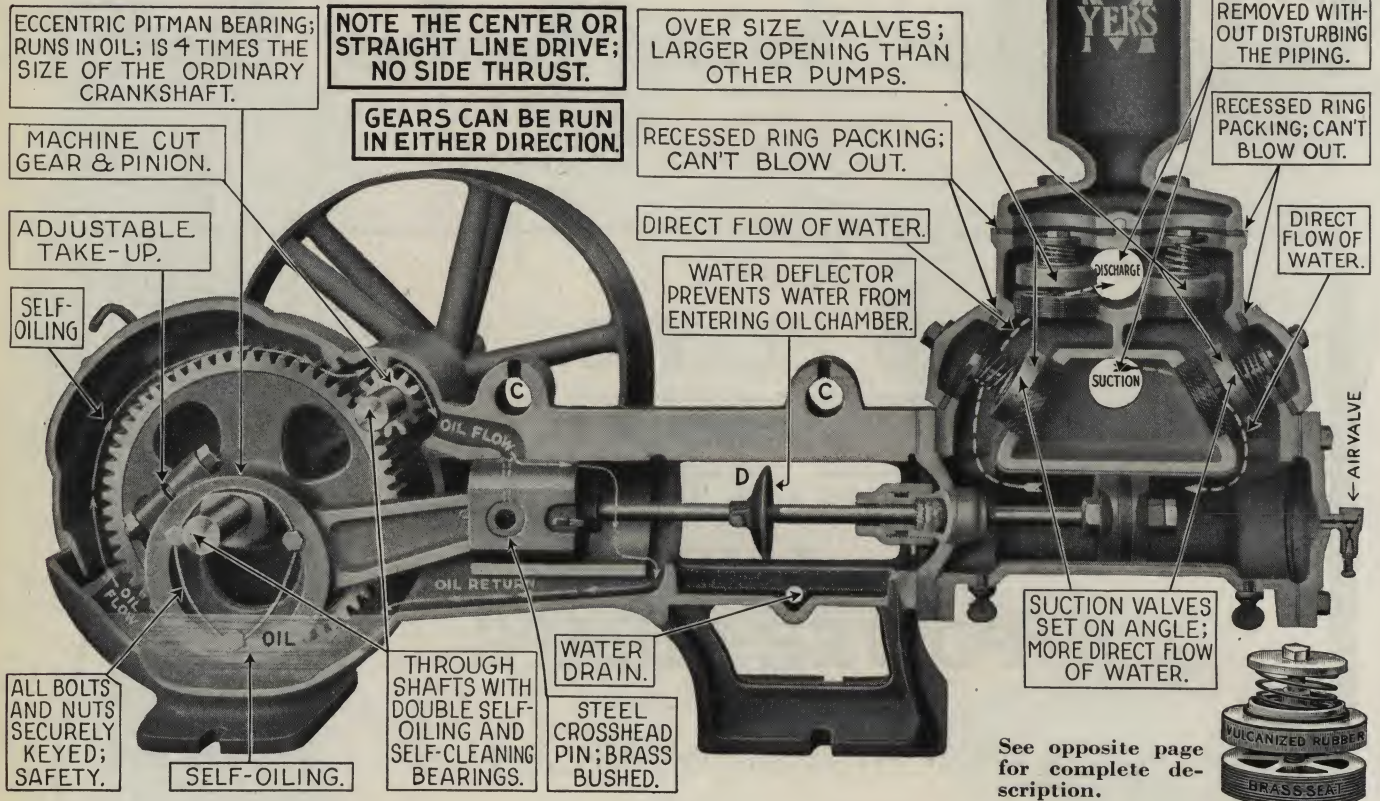




# THE MYERS SELF-OILING BULLDOZER POWER PUMP

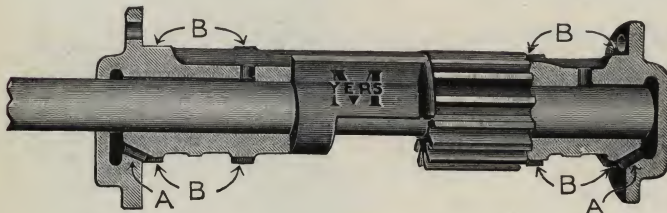
*Perfect and Continuous Lubrication*

**Self-Oiling A Fact, Not A Hope**



Salesmen should use this Illustration in selling Myers Self-Oiling Pumps as all talking points and advantages are set in the Balloons with arrow leading to the part referred to.

**Fig. 2144**



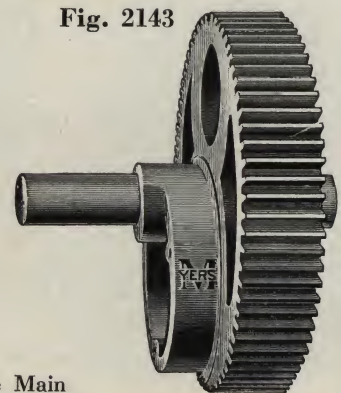
**FIG. 2144** shows a sectional view of the Bearings and illustrates the Oil Passage "A," through which the oil passes around the ends of the shaft, washing out any sediment that will naturally accumulate at the dead end of the shaft (self cleaning). This insures Thorough and Complete Lubrication at this point—a vital feature. Note the extra length of the Shaft Bearings that extend the full length of the Shaft coming in contact with the sides of the Gears and Pinions, holding them in position; also the Bearings "B" that fit snugly into the main frame and are held by heavy cap screws. Any Bearing can be removed and replaced in two minutes.

Plain Cast Iron Bearings in connection with a Steel Shaft, when perfectly lubricated, will outwear any other kind of a bearing. These features apply to all Myers Self-Oiling Bulldozer Pumps and Working Heads.

**Fig. 1890**



**Fig. 2143**



**Fig. 2143** illustrates the Main Gear with the Eccentric Cast Integral, making a Pitman Bearing of over four times the diameter of an ordinary Crank Shaft. This greatly oversized Bearing when properly lubricated, as in the Myers Self-Oiling Pumps, where it operates continuously in oil, insures quiet operation, long life and economy in up-keep.

## DIAMETER OF ECCENTRIC BEARINGS

1 3/4"	Pump, Eccentric 4 1/2".	4 & 5" Pump, Eccentric 7 1/2".
2 1/2"	Pump, Eccentric 4 1/2".	6" Pump, Eccentric 8 1/2".
3"	Pump, Eccentric 5 1/2".	8" Pump, Eccentric 12".





# MYERS SELF-OILING BULLDOZER POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

For Pressure Tank, Open Tank or Other Service. No Personal Attention Necessary  
SELF-OILING A FACT, NOT A HOPE

100 Pounds Pressure      Each Pump Tested Under 125 Pounds Pressure  
Center Line Drive      No Side Thrust      Back Geared 5 to 1

For Use In Raising Water Not Exceeding 25 Feet Vertical Lift To Low Water Level

THE Myers Self-Oiling Bulldozer Power Pump, is a single cylinder, double-acting power pump for supplying water under pressure in connection with a Pressure or Open Tank for general service on Plantations, Country Estates, in Mines, Apartment Houses, Hotels, Mills, Factories, Railway Tanks, Stations, or wherever from 260 to 9000 gallons of water per hour are required against a pressure up to 100 lbs, or 230 ft. elevation.

An efficient, durable pump of modern construction at a moderate price.

The power end consists of a one-piece casting which forms the base of the pump and oil reservoir, and in connection with a lid encloses all working parts, protecting them from dirt or injury, and securing safety of operation. This casting is completely machined at one setting for all bearings, the crosshead, cylinder head and shaft bearings, insuring alignment of all working parts. The pinion and gear are mounted between double bearings. Both gear and pinion are machine cut from the solid—the gear is cast iron and the pinion steel. An eccentric cast integral with the main gear operates the crosshead through a connecting rod which is adjustable for wear at the eccentric end, and is fitted with a renewable bronze bushing at the crosshead end. The crosshead is of large diameter running in a bored guide. From the oil reservoir in the base oil is carried by the main gear to the highest parts

of the pump, and by a system of channels distributed to all moving parts and returned again to the reservoir. This system of flood lubrication contributes quiet operation and long life, with a minimum of attention.

The cylinder, which is brass lined, is a one-piece casting, attached to the power end by heavy bolts. Large rubber valves on bronze grid seats are all located above the cylinder, insuring priming. Suction and discharge valves are easily accessible for inspection and repair without disturbing pipe connections. Suction and discharge piping may be taken from either side.

The Piston Rod is fitted with a concave Disc Water Deflector (D) as a special guard against carelessness of the user in not keeping the Stuffing Box properly packed. Another special feature on this pump—it is fitted with Motor Pads (C) for mounting the motor on top for V-Belt drive—a complete unit mounted on one base. This permits changing the drive at any time with a minimum of expense.

The air is supplied to the Pressure Tank by opening the Air Valve at end of Cylinder. When this Air Valve is open the Pump Plunger takes in air on back stroke filling that end of Water Cylinder with air and on forward stroke forces the air into the Tank through the regular Water Discharge Pipe. When used for Open Tank Service this opening for Air Valve is plugged, and Air Valve is not furnished.

For Pumping Hot Water See Page 204. For Pumping Gasoline or Oil See Page 112.

S-O-D W. PUMP JACKS EJECTOR PUMPS CENTRI-FUGALS ACCESSORIES HAND SPRAY POWER SPRAY SPRAY ACCESS POWER WASHERS HAY TOOLS 1000 H. ENG. DATA INDEXES



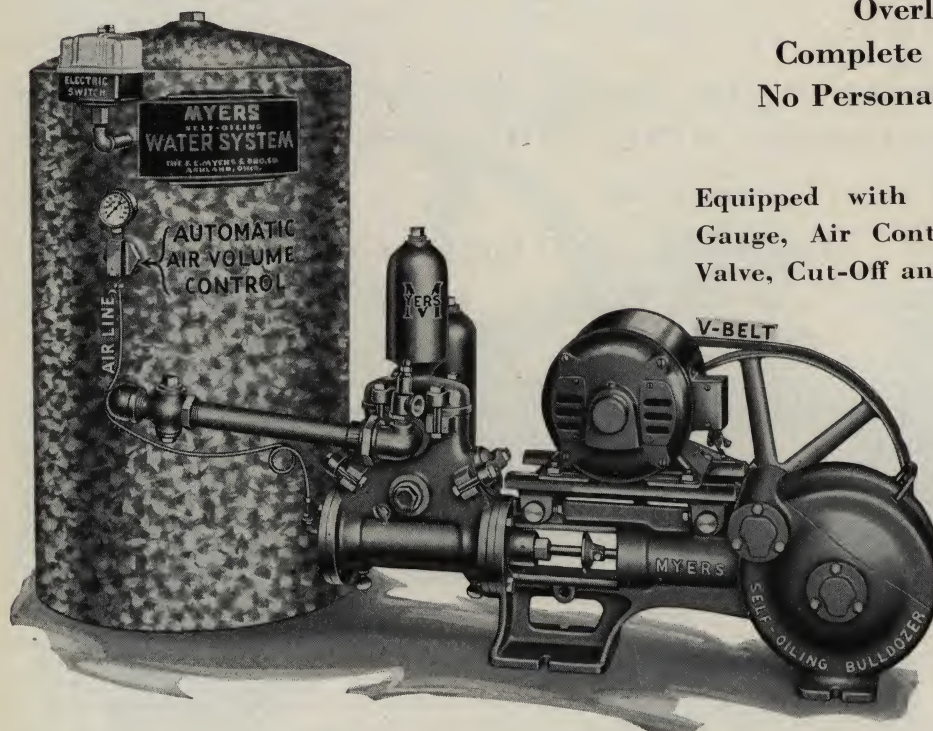


# MYERS SHALLOW WELL AUTOMATIC WATER SYSTEM

*Self-Oiling Perfect and Continuous Lubrication*

PATENTED

Fig. 3147



Overload Protection  
Complete Automatic Control  
No Personal Attention Necessary

Equipped with Galvanized Tank, Pressure Gauge, Air Control, Electric Switch, Relief Valve, Cut-Off and Connecting Pipe

V-Belt Drive

For Use in Raising Water  
Not Exceeding 25 Feet  
Vertical Lift to Low  
Water Level

FIG. 3147 illustrates the Myers Complete Shallow Well Water System Unit, capacity 500 and 1000 gallons per hour, suitable to any condition where the source of supply does not exceed 25 feet in vertical distance from the Pump, and where larger

quantities of water are required such as for large Residences, Office Buildings, Mills, Factories, Creameries or a group of small Residences, School Houses or any place which does not require water exceeding 1000 gallons per hour.

For complete description of Pump see Pages 96 and 97

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Fig. 3147

### 500 Gallons Per Hour

No.	Description	Price
No. V912AMT,	Complete as shown in Fig. 3147, including 2½ x 3" Pump, ½ H. P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, 42 Gallon Tank. (H.P. Based on 50 Lbs. Tank Pressure) Floor Space 36 x 36", Height 36". Wt. 369 Lbs.	KIPIW \$130.00
No. V923AM,	Shallow Well Direct Water System, not illustrated, same as V912AMT, except with 12 Gallon Galvanized Tank. Floor Space 21 x 47", Height 40". Wt. 308 Lbs.	KEVHO 125.00

### 1000 Gallons Per Hour

No. V913AMT,	Complete as shown in Fig. 3147, including 3 x 4" Pump, 1 H. P., 110-220 Volt. 60 Cycle, Single Phase A. C. Motor, 42 Gallon Tank. (H.P. Based on 50 Lbs. Tank Pressure) Floor Space 38 x 48", Height 36". Wt. 583 Lbs.	KIPJU 199.00
--------------	--	--------------

If larger than 42 Gallon Tank is desired, add the following extra to the list price of No. V912AMT or No. V913AMT: 82 Gallon, \$14.00; 120 Gallon \$21.50; 220 Gallon, \$58.00; 315 Gallon, \$81.00.

Extra Charge will be made for Special Switch with or without Overload Protection with D. C. Motors, or larger than 1 H. P. Motors.

If Frequency, Voltage, or Phase are other than specified above, there will be an extra charge.

Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

For ½ H. P. 50 Cycle Motor add to 60 Cycle Price .....KOMEN \$2.00

1 H. P. 50 Cycle Motors same Price as 60 Cycle. KOMIF

For Typical Installations see Pages 106 and 107

REPAIRS: See Pages 22, 99 to 106, No. R40 Repair Catalog





# MYERS SELF-OILING BULLDOZER POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

For Pressure Tank or Open Tank Service

V-Belt Drive

Complete With Motor

100 Pounds Pressure

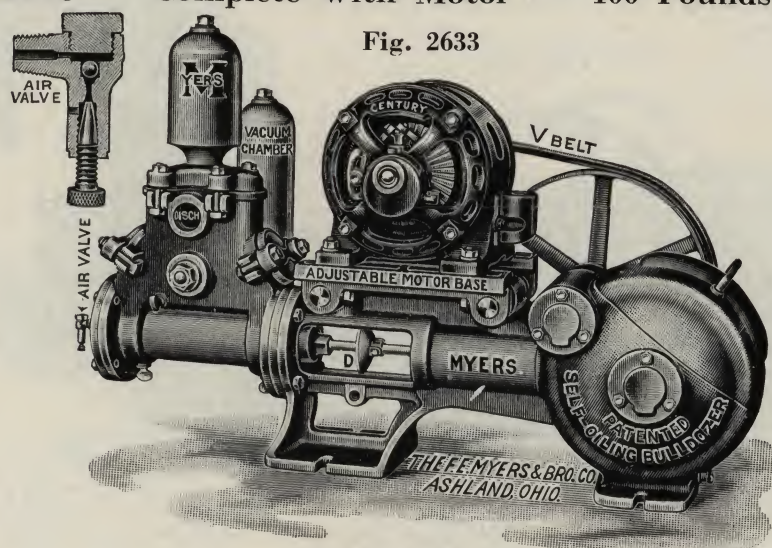


Fig. 2633

## FLOOR SPACE

2½"x3" Pump 14"x34"x24" H. 3x4" Pump 16"x44"x27" H. 4x5" Pump 20"x54"x34" H. 5x5" Pump 20"x56"x36" H.

For Use in Raising Water Not Exceeding 25 Feet Vertical Lift to Low Water Level

For complete description of Pumps see Pages 96 and 97

Air Conditioning Information, see Page 152

## PRICE LIST, Represented by Fig. 2633

### FOR PRESSURE TANK SERVICE

Pump No.	Cylinder Brass Lined Diam. & Stroke	Capacity		A.C. Motor 1 Phase 110-220 V. 60 Cycle H. P. 50 lbs. Tk. Pres.	Suc. and Disch.	Weight With Motor Lbs.	With Motor		Less Motor Only	
		Plgr. Speed R.P.M.	Max. Gals. per Min. at Pump				Code	Price	Code	Price
V931AM	1¾x3	70	4½	½	1x¾	245	KEJDI	\$100.00	KEJEG	\$ 69.00
V912AM	2½x3	70	9	½	1¼	253	KEJHA	100.00	KEJIY	69.00
V913AM	3 x4	70	17	1	1½	472	KEJOL	166.00	KEKAN	105.00
V914AM	4 x5	52	28	2	2	824	KETFU	258.00	KETTI	162.00
V915AM	5 x5	52	44	3	2½	935	KETOB	305.00	KETUP	184.00
V916AM	6 x6	45	66	5	3	1325	KEZOV	490.00	KIBDU	301.00

### FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR VALVE)

V912M	2½x3	70	9	½	1¼	253	LECIH	98.00	LECYA	67.00
V913M	3 x4	70	17	1	1½	472	LECRO	164.00	LEDAW	103.00
V914M	4 x5	52	28	2	2	824	LEJON	256.00	LEJUB	160.00
V915M	5 x5	52	44	3	2½	935	LEKAP	303.00	LEKEH	182.00
V916M	6 x6	45	66	5	3	1325	KIBES	488.00	KIBGO	299.00

For ¾ H. P., 110-220 Volt, 60 Cycle, One Phase, A. C. Motor on 2½x3 Pump. Total wt. 268 lbs. Add to Price. KOMOS \$ 10.00

For ½ H. P. 50 Cycle Motor add to above Price. . . . . KOMUG 2.00

For ¾ H. P. 50 Cycle Motor add to above Price. . . . . KOMTI 2.00

1 H. P. and larger 50 Cycle Motors same Price as 60 Cycle. KOMVE

In Working Against Pressure the Above Capacities Will Be Reduced 5 to 10% on Account of Slippage.

If Frequency, Voltage or Phase, are other than specified above, there will be an extra charge.

Specify Current Used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

REPAIRS: See Pages 22, 99 to 106, No. R40 Repair Catalog





# MYERS SELF-OILING BULLDOZER POWER PUMP

*Perfect and Continuous Lubrication*

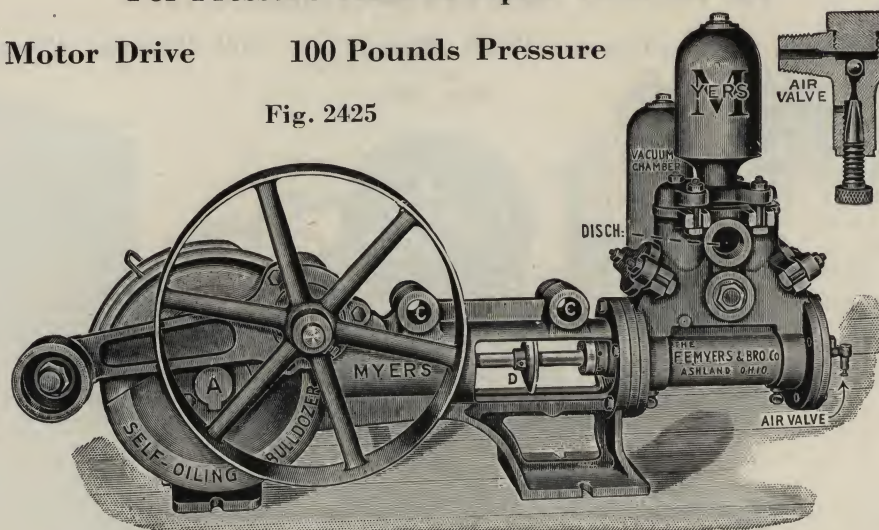
PATENTED

For Pressure Tank or Open Tank Service

Motor Drive

100 Pounds Pressure

Fig. 2425



For Use in Raising Water Not Exceeding 25 Feet Vertical Lift to Low Water Level

FLOOR SPACE:  $\left\{ \begin{array}{l} 2\frac{1}{2} \times 3'' \text{ Pump} \dots 13'' \times 35'' \times 24'' \text{ H.} \quad 4 \times 5'' \text{ Pump} \dots 20'' \times 55'' \times 34'' \text{ H.} \\ 3 \times 4'' \text{ Pump} \dots 15'' \times 45'' \times 27'' \text{ H.} \quad 5 \times 5'' \text{ Pump} \dots 20'' \times 57'' \times 36'' \text{ H.} \\ 6 \times 6'' \text{ Pump} \dots 23'' \times 67'' \times 41'' \text{ H.} \end{array} \right.$

THE Myers Self-Oiling Bulldozer Power Pump for Pressure Tank or Open Tank Service as equipped with Belt Tightener for Belt Drive with Motor

mounted on the floor. Easily changed at any time to V-Belt Drive with Motor mounted on Pump. (See Fig. 2633.)

For complete description of Pumps see Pages 96 and 97

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Fig. 2425

FOR PRESSURE TANK SERVICE

Pump No.	Cylinder Brass Lined Diam. Stroke	Capacity				Max. H.P.	Tight Pulley, Inches	Suction and Discharge	Weight Pounds	Code	Price
		Disp. each Rev. of Plgr. Gal.	Usual Plgr. Speed, R.P.M.	Max. Plgr. Speed, R.P.M.	Max. Gals. Per Min. at Pump						
912AM	2½x3	.128	60	70	9	1	15x2½	1¼	174	KAKRA	\$ 66.00
913AM	3 x4	.245	60	70	17	2	20x3	1½	310	KAJSY	97.00
914AM	4 x5	.544	55	65	35	4	24x4	2	563	KALFY	140.00
915AM	5 x5	.85	50	60	51	6	24x4	2½	594	KALHU	156.00
916AM	6 x6	1.47	40	52	76	7	30x4	3	929	KALIS	240.00

FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR VALVE).

912M	2½x3	.128	60	70	9	1	15x2½	1¼	174	LACID	64.00
913M	3 x4	.245	60	70	17	2	20x3	1½	310	LACPO	95.00
914M	4 x5	.544	55	65	35	4	24x4	2	563	LACWA	138.00
915M	5 x5	.85	50	60	51	6	24x4	2½	594	LADAS	154.00
916M	6 x6	1.47	40	52	76	7	30x4	3	929	LADEK	238.00

In Working Against Pressure the Above Capacities Will Be Reduced 5 to 10% Through Slippage.

Feet Elevation or Head	25	50	75	100	150	200
H. P. Required, 2½x3" Cyl. (70 R. P. M.)	¼	⅓	½	¾	1	1½
H. P. Required, 3 x4" Cyl. (70 R. P. M.)	⅓	½	¾	1	1½	2
H. P. Required, 4 x5" Cyl. (65 R. P. M.)	¾	1	1½	2	3	4
H. P. Required, 5 x5" Cyl. (60 R. P. M.)	1	1½	2	2½	4	5½
H. P. Required, 6 x6" Cyl. (52 R. P. M.)	1½	2½	3	5	6½	

REPAIRS: See Pages 22, 99 to 106, No. R40 Repair Catalog





# MYERS SELF-OILING BULLDOZER POWER PUMP

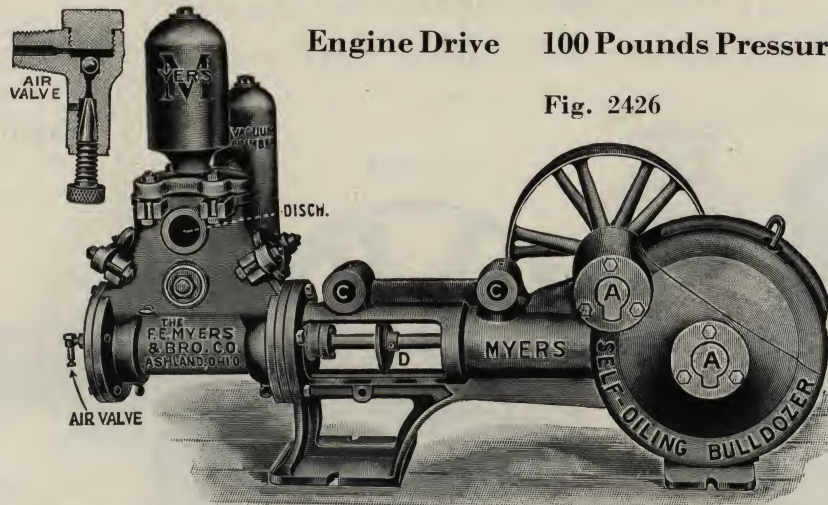
*Perfect and Continuous Lubrication*

PATENTED

For Pressure Tank or Open Tank Service

Engine Drive 100 Pounds Pressure

Fig. 2426



For Use in Raising Water Not Exceeding 25 Feet Vertical Lift to Low Water Level

FLOOR SPACE:  $\left\{ \begin{array}{ll} 2\frac{1}{2} \times 3'' \text{ Pump} \dots 14'' \times 35'' \times 24'' \text{ H.} & 4 \times 5'' \text{ Pump} \dots 24'' \times 55'' \times 34'' \text{ H.} \\ 3 \times 4'' \text{ Pump} \dots 18'' \times 43'' \times 27'' \text{ H.} & 5 \times 5'' \text{ Pump} \dots 24'' \times 57'' \times 36'' \text{ H.} \\ & 6 \times 6'' \text{ Pump} \dots 28'' \times 67'' \times 41'' \text{ H.} \end{array} \right\}$

THE Myers Self-Oiling Bulldozer Power Pump for Pressure Tank or Open Tank Service, as equipped with Tight and Loose Pulleys for Engine

Drive. Easily changed at any time to V-Belt Drive with Motor mounted on Pump. (See Fig. 2633.)

For complete description of Pumps see Pages 96 and 97

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Fig. 2426

FOR PRESSURE TANK SERVICE

Pump No.	Cylinder Brass Lined Diam. Stroke	Capacity				Max. H.P.	Pulleys T. & L., Inches	Suction and Discharge	Weight Pounds	Code	Price
		Disp. each Rev. of Plgr. Gal.	Usual Plgr. Speed, R.P.M.	Max. Plgr. Speed, R.P.M.	Max. Gals. Per Min. at Pump						
912A	2½x3	.128	60	70	9	1	12x2	1¼	162	KALCO	\$ 61.00
913A	3 x4	.245	60	70	17	2	14x2½	1½	285	KALOF	88.00
914A	4 x5	.544	55	65	35	4	16x4	2	509	KALUT	129.00
915A	5 x5	.85	50	60	51	6	16x4	2½	558	KAMAH	145.00
916A	6 x6	1.47	40	52	76	7	24x4	3	834	KAMEZ	226.00

FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR VALVE)

912	2½x3	.128	60	70	9	1	12x2	1¼	162	LADFI	\$ 59.00
913	3 x4	.245	60	70	17	2	14x2½	1½	285	LADHE	86.00
914	4 x5	.544	55	65	35	4	16x4	2	509	LADIC	127.00
915	5 x5	.85	50	60	51	6	16x4	2½	558	LADJA	143.00
916	6 x6	1.47	40	52	76	7	24x4	3	834	LADKY	224.00

In working against pressure the above capacities will be reduced 5 to 10% on account of slippage.

Feet Elevation or Head	25	50	75	100	150	200
H. P. Required, 2½x3" Cyl. (70 R. P. M.)	½	½	½	½	¾	1
H. P. Required, 3 x4" Cyl. (70 R. P. M.)	¾	¾	¾	1	1½	2
H. P. Required, 4 x5" Cyl. (65 R. P. M.)	1	1	1½	2	3	4
H. P. Required, 5 x5" Cyl. (60 R. P. M.)	1	1½	2	2½	4	5½
H. P. Required, 6 x6" Cyl. (52 R. P. M.)	1½	2½	3	5	6½	

(These H. P. ratings are based on electric or steam. If gasoline engine add 50%.)

REPAIRS: See Pages 22, 99 to 106, No. R40 Repair Catalog

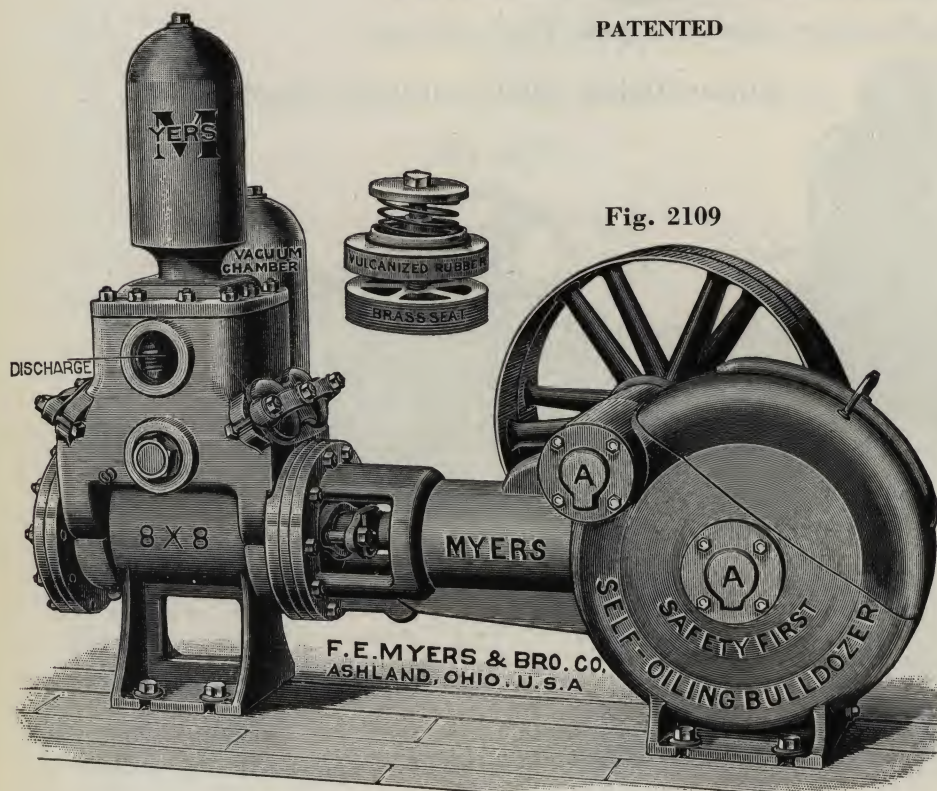




# MYERS SELF-OILING BULLDOZER POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED



Engine or Motor  
Drive

For General Service

FLOOR SPACE

No. 618, 40" x 76" x 58" H.  
No. 618M, 32" x 76" x 58" H.

Self-Oiling

Machine Cut Gears

Gears Fully Enclosed

Back Geared 6 to 1

100 Pounds Pressure or 230 Feet Elevation

For Use in Raising Water Not Exceeding 25 Feet Vertical Lift to Low Water Level

FIG. 2109 represents The Myers Self-Oiling Bulldozer Pump as made in the largest size, for general service such as supplying water in large quantities for Irrigation, Mills, Factories, Railway Tanks, Stations, Villages, Etc., against a pressure of 100 pounds or an elevation of 230 feet.

The cylinder has eight large rubber valves on bronze grid seats which are all located above the cylinder insuring priming. They are easily accessible for inspection and repair without disturbing pipe connections. Suction and Discharge Piping may be taken from either side.

For complete description of Pump see Pages 96 and 97

## PRICE LIST, Represented by Fig. 2109

MAXIMUM CAPACITY 9000 GALS. PER HOUR AT 45 R. P. M. OF PISTON  
USUAL SPEED 30 TO 40 R. P. M.

No.	Description	Price
No. 618,	Myers Self-Oiling Bulldozer Power Pump, Back Geared 6 to 1, with Vacuum Chamber, 8 x 8 in. Brass Lined Cylinder, 30 x 6 in. Tight and Loose Pulleys, 1 3/4 in. Brass Covered Piston Rod, Suction and Discharge 4 inch. Wt. 2225 Lbs. ....	LADMU \$630.00
No. 618M,	Same as No. 618 with 42 x 6 inch Pulley and Belt Tightener. Wt. 2470 Lbs. ....	LADOP 655.00
	Air Intake Valve for pneumatic use on any of above Pumps, add to Price. ....	2.00
In Pumping Gasoline the Water Capacity of Pump is Reduced 40%.		

EACH PUMP TESTED UNDER 125 POUNDS PRESSURE

Feet Elevation or Head	25	50	75	100	150
H. P. Required, 8x8" Cyl. (40 R. P. M.) Electric drive. Add 50% for Gasoline Eng.	2 1/2	4 1/2	6	8	10 1/2

REPAIRS: See Pages 22, 99 to 101, No. R40 Repair Catalog





# MYERS SELF-OILING BULLDOZER POWER PUMP

PATENTED

*Perfect and Continuous Lubrication*  
For Pressure Tank or Open Tank Service

100 Pounds Pressure

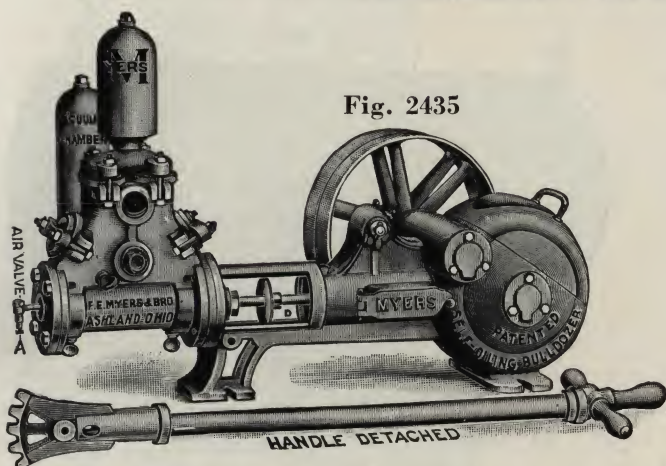


Fig. 2435

With Cog Gear Handle Attachment

CAPACITY  
500 Gallons Per Hour

Floor Space: 15 x 37 inches, Height 24"

**FIGS. 2435 and 2436** illustrate the Myers Self-Oiling Hydro-Pneumatic Power Pump which is designed for use with gasoline engine or motor for supplying water and air to pressure tank systems. It is complete within itself and is adapted for both hand and power use. The main idea is that if your power falls down, you are unable to start the engine, or the motor current is off, by attaching the handle and pumping by hand, you are assured of having water.

When wanted to use as a hand pump all that is necessary is to remove the pin connecting the gears and piston then by placing the handle the pump is ready for operation by hand. This feature will be appreciated, as parties quite frequently do not care to or cannot start their engine when a small quantity of water only is required.

For complete description of Pump see Pages 96 and 97

For Use in Raising Water Not Exceeding 25 Feet  
Vertical Lift to Low Water Level

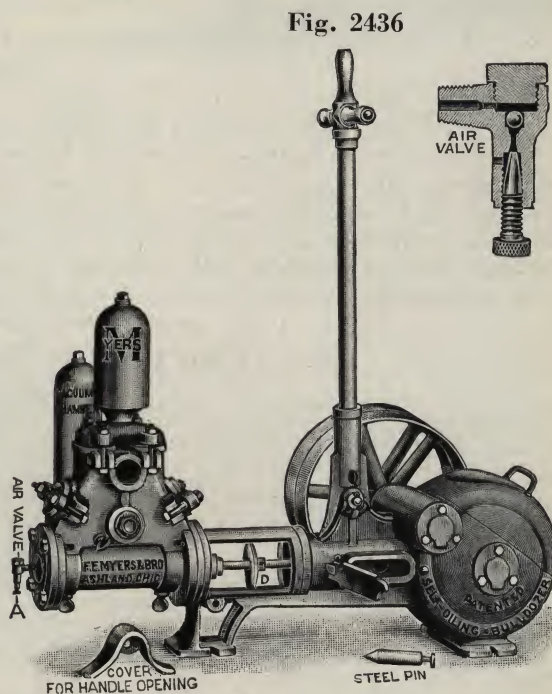


Fig. 2436

## PRICE LIST, Represented by Figs. 2435 and 2436

### FOR PRESSURE TANK SERVICE

No. 910A,	Myers Self-Oiling Bulldozer Power Pump, with Air Intake Valve for Pressure Tank, 2½ x 3 inch Brass Lined Cylinder, 12 x 2 inch Tight and Loose Pulleys, Suction and Discharge 1¼ inch. Wt. 174 Lbs.	KAJLO	Price \$64.00
No. 910AM,	For Motor with 15 x 2½ inch Pulley and Belt Tightener. Wt. 183 Lbs.	KAJOH	69.00

### FOR OPEN TANK SERVICE, SAME AS ABOVE, (WITHOUT AIR VALVE).

No. 910,	Same as No. 910A, without Air Valve. Weight 174 Lbs.	LABDO	62.00
No. 910M,	Same as No. 910AM, without Air Valve. Weight 183 Lbs.	LABEM	67.00

REPAIRS: See Pages 22, 99 to 106, No. R40 Repair Catalog





# MYERS SELF-OILING BULLDOZER POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

For Pressure Tank or Open Tank Service

V-Belt Drive

Complete With Engine

Maximum Pressure—100 Pounds

Fig. 2872

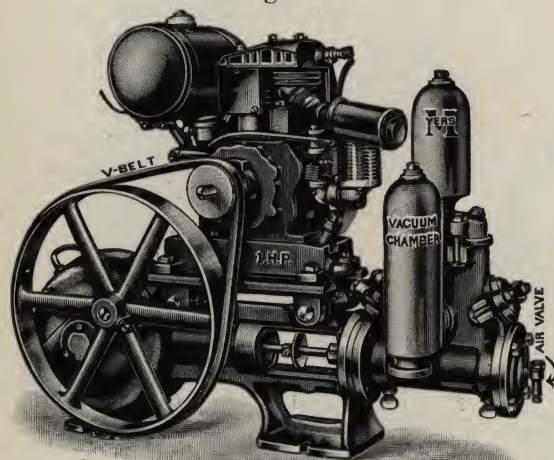
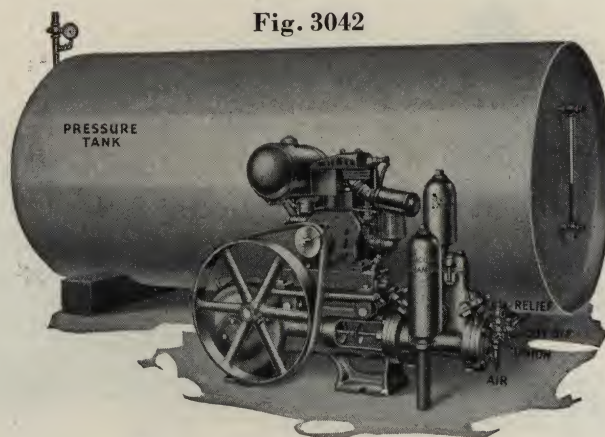


Fig. 3042



Engine Driven Water Systems.  
Not Necessary to Wait for Electric Current.

Floor Space: { V912AE 17" x 35" x 27" High  
V913AE 17" x 42" x 29" High

See Next Page

For Use in Raising Water Not Exceeding 25 Feet Vertical Lift to Low Water Level

**T**HE Myers Self-Oiling Pump, for Pressure Tank or Open Tank Service, equipped with a High Class Dependable Fullpower Air Cooled Engine with Hot Spark High Tension Magneto built in—always ready to go—easy starting, a woman or boy can start it in

any kind of weather.

This Engine Driven Pumping Plant enables residents of villages, farming or other districts where electric current is not available to enjoy all the advantages of an up to date Water System at a moderate cost.

For complete description of Pump see Pages 96 and 97

## PRICE LIST, Represented by Fig. 2872

FOR PRESSURE TANK SERVICE

Pump No.	Cylinder Brass Lined Diam. Stroke	Capacity		Tank Pressure	Feet Head	Engine H.P.	Suction and Discharge	Weight	Code	Price
		Plgr. Speed R.P.M.	Max. Gals. Per. Min. at Pump							
V912AE	2½ x 3	70	9	50		¾	1¼	286	KEKEF	\$116.00
V913AE	3 x 4	70	17	50		1	1½	469	KIHLY	181.50
V914AE	4 x 5	52	28	50		2	2	733	KIHOR	256.00
V915AE	5 x 5	52	44	50		3	2½	860	KIMEH	297.50

FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR VALVE)

V912E	2½ x 3	70	9		200	¾	1¼	286	LEDBU	\$114.00
V913E	3 x 4	70	17		115	1	1½	469	LIWIR	179.50
V914E	4 x 5	52	28		140	2	2	733	LIWTU	254.00
V915E	5 x 5	52	44		136	3	2½	860	LIYEX	295.50

The No. V912E or No. V912AE if with 1 H.P. Engine, add to above Lists. . . . . KOLMY \$25.00  
 The No. V913E or No. V913AE if with 2 H.P. Engine, add to above Lists. Total Wt. 476 Lbs. . . . . KIZHO 25.00  
 The No. V914E or No. V914AE if with 3 H.P. Engine, add to above Lists. Total Wt. 769 Lbs. . . . . KIZIM 25.00  
 The No. V914E or No. V914AE if with 4 H.P. Engine, add to above Lists. Total Wt. 769 Lbs. . . . . KOBAG 34.00  
 The No. V915E or No. V915AE if with 4 H.P. Engine, add to above Lists. Total Wt. 860 Lbs. . . . . KOBDA 9.00

For Accessories see Pages 205 to 222.

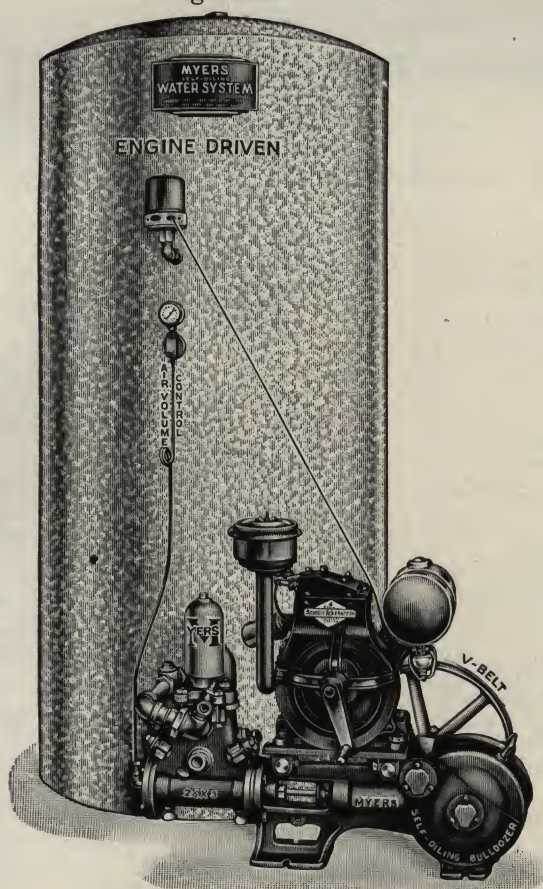
REPAIRS: See Pages 22, 99 to 106, No. R40 Repair Catalog





# SHALLOW WELL SEMI-AUTOMATIC WATER SYSTEM

Fig. 3047



**FIG. 3047** illustrates the Myers Complete Shallow Well Water System Unit, capacity 500 to 2640 gallons per hour, suitable where larger quantities of water are required such as for farms, large residences, office buildings, mills, factories, creameries or a group of small residences, etc.

**For Use in Raising Water Not Exceeding 25 Feet Vertical Lift to Low Water Level**

## PRICE LIST

Pressure Tank not included in these Prices.

Pump No.	Cylinder Brass Lined Diam. Stroke	Capacity		Tank Pressure	Tank Not Included	Engine H.P.	Suction and Discharge	Weight Less Tank	Code	Price
		Plgr. Speed R.P.M.	Max. Gals. Per. Min. at Pump							
V912AET	2½ x 3	70	9	50	Sizes and Prices appear Below	¾	1¼	275	KITFY	\$131.00
V913AET	3 x 4	70	17	50		1	1½	478	KIJKY	197.00
V914AET	4 x 5	52	28	50		2	2	742	KIKAR	279.00
V915AET	5 x 5	52	44	50		3	2½	870	KIMAP	327.00

The No. V912AET with 1 H.P. Engine, add to above Price. Total Wt. 307 Lbs. .... KOB EY \$25.00  
 The No. V913AET with 2 H.P. Engine, add to above Price. Total Wt. 485 Lbs. .... KOB GU 25.00  
 The No. V914AET with 3 H.P. Engine, add to above Price. Total Wt. 778 Lbs. .... KOB JO 25.00  
 The No. V914AET with 4 H.P. Engine, add to above Price. Total Wt. 778 Lbs. .... KOB MI 34.00  
 The No. V915AET with 4 H.P. Engine, add to above Price. Total Wt. 870 Lbs. .... KOB OD 9.00

**PRESSURE TANKS FOR ABOVE:** Vertical Galv. 220 Gallon, \$73.00; 315 Gallon, \$96.00. Horizontal 525 Gallon, Black, \$79.00; Galv. \$127.50. 720 Gallon, Black, \$118.00; Galv., \$203.00. 1000 Gallon, Black, \$152.00; Galv., \$262.00. Add to above prices.

Tanks F.O.B. Conshohocken, Pa., or Chicago, Ill. See Page 222 for Tank Weights.

**For Typical Installations see Pages 106 and 107**

**REPAIRS:** See Pages 22, 99 to 106, No. R40 Repair Catalog

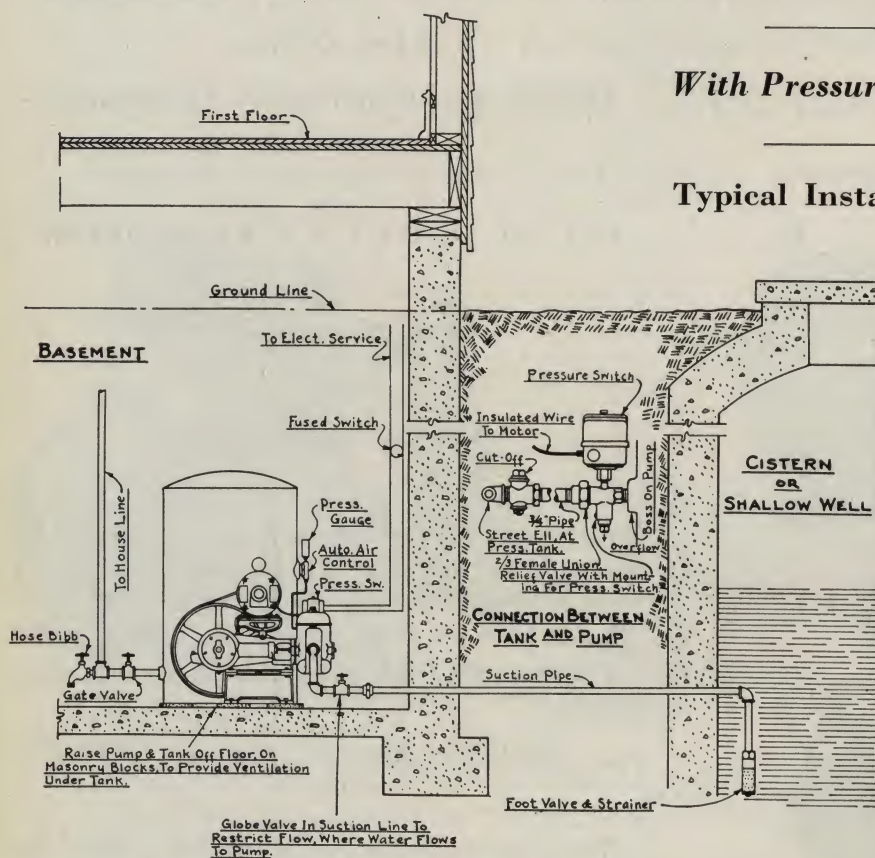




# MYERS SELF-OILING ELECTRIC AUTOMATIC PUMP

## With Pressure Tank

### Typical Installations



Attach pipe to relief valve to carry water away if relief valve opens.

Avoid all high points in suction line which would permit air pockets to form. Slope suction line up from water if possible, so air will clear.

If water flows to pump, put shut off valve in suction line so that it can be partially closed to prevent water hammer and so air intake valve will work.

Provide cut out switch so current can be cut off when necessary to work on pump, motor, pressure switch or other part of system.

Run separate electric circuit from meter to pump motor.

# MYERS SELF-OILING SHALLOW WELL PUMP

## Pressure Tank and Pump Separated

Pumproom must be frost proof if freezing temperatures occur. Sides and floor of pit should be waterproofed.

Raise vertical tank off floor on masonry blocks to provide ventilation underneath and retard corrosion.

Provide means of draining pump room floor.

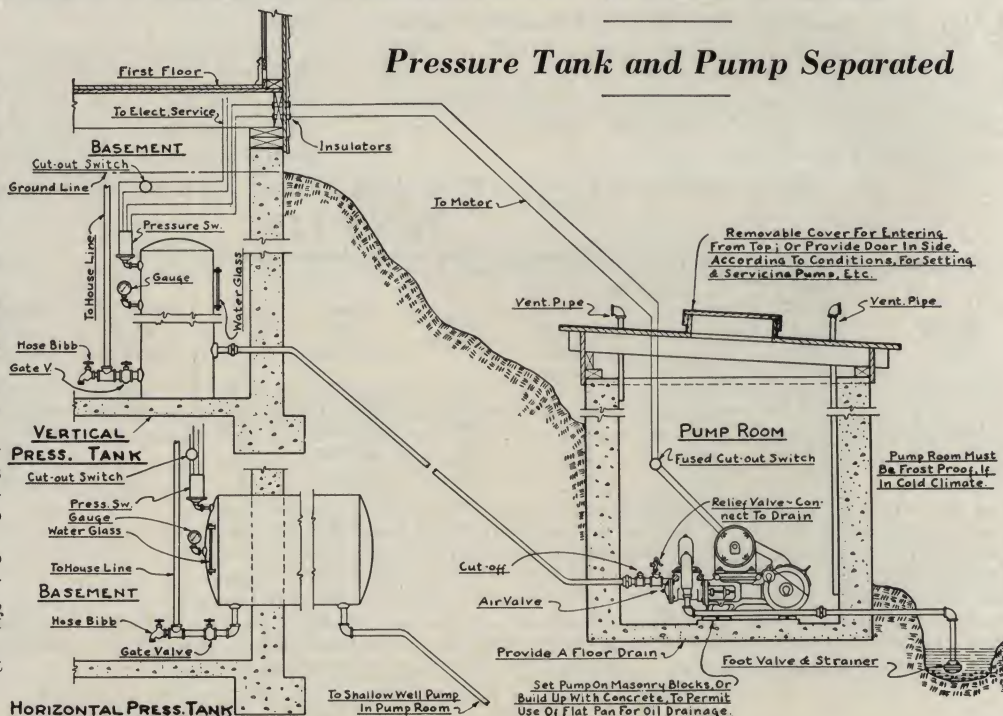
Provide air circulation (high and low air duct) to assist in keeping pump room or pit free from moisture.

Slope suction line up from water to pump if possible so air will clear.

Set pump on concrete base or masonry blocks several inches higher than floor level to permit draining of oil from pump into shallow container.

Provide cut out switch so current can be cut off when necessary to work on pump, motor, pressure switch or other part of system.

Run separate electric circuit from meter to pump motor.



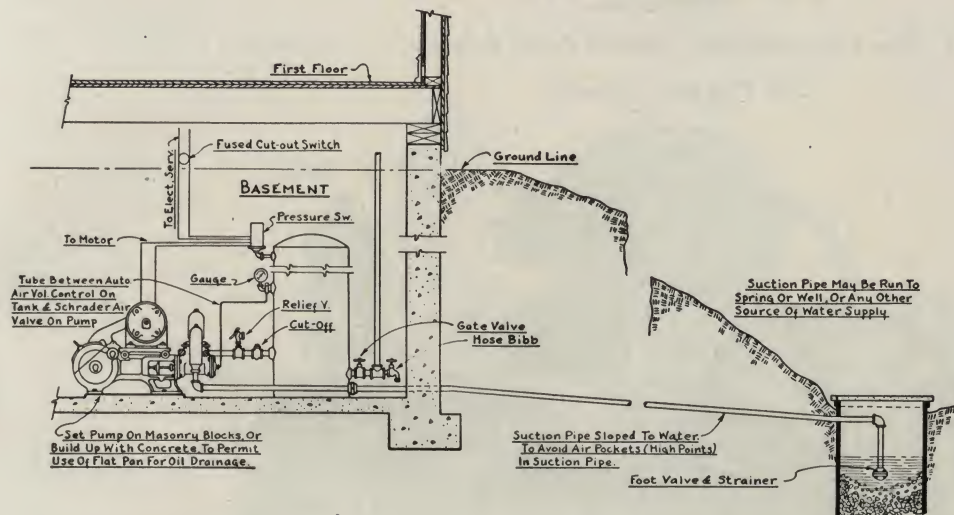




# MYERS SELF-OILING SHALLOW WELL PUMP

*Close Hook-Up With Automatic Air Volume Control*

**Typical Installation**



Raise vertical tank off floor on masonry blocks to provide ventilation underneath and retard corrosion.

Avoid all high points in suction line which would permit air pockets to form.

Attach pipe to relief valve to carry water away if relief valve opens.

Provide cut out switch so current can be cut off when necessary to work on pump, motor, pressure switch or other part of system.

Run separate electric circuit from meter to pump motor.

# MYERS SELF-OILING SHALLOW WELL PUMP

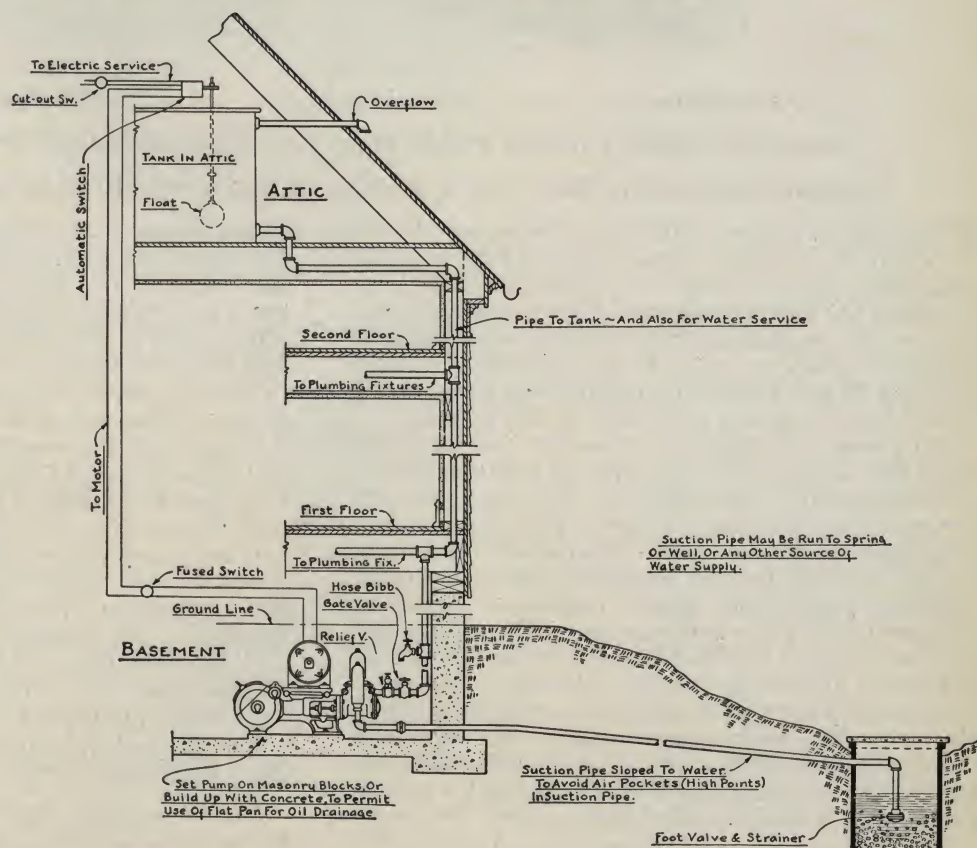
*Open Tank In Attic—Pump In Basement*

Avoid all high points in suction line which would permit air pockets to form.

Attach pipe to relief valve to carry water away if relief valve opens.

Provide cut out switch so current can be cut off when necessary to work on pump, motor, pressure switch or other part of system.

Run separate electric circuit from meter to pump motor.







# MYERS HIGH PRESSURE SELF-OILING BULLDOZER POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

For Pumping Oil, Hot or Cold Water

250 Pounds Pressure

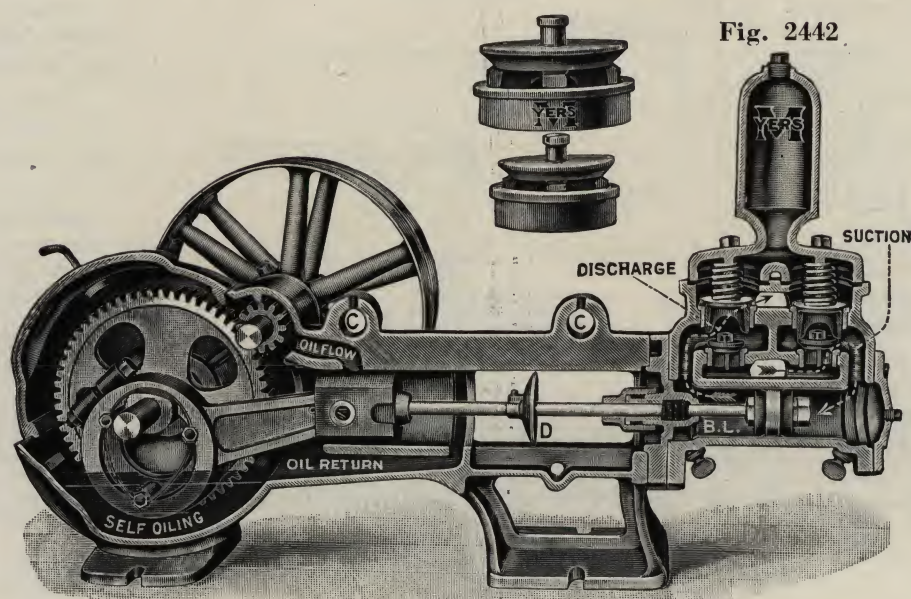


Fig. 2442

Self-Oiling

Fully Enclosed

Back Geared 5 to 1

Especially Adapted for Oil Fields, Road Construction, Village Water Works, Etc.

For Use in Raising Water Not Exceeding 25 Feet Vertical Lift to Low Water Level

**FIG. 2442.** Myers Self-Oiling Bulldozer Power Pump is a single cylinder, double-acting power pump for general service. It is adapted to Road Construction, Oil Fields, Railroads, Village Water Works, etc., or any condition where a dependable pump is required to deliver water from a source of supply **not over 25 feet below the pump** to an elevation up to 580 feet, or against a pressure of 250 pounds.

The power end consists of a one-piece casting which forms the base of the pump and oil reservoir and in connection with a lid encloses all working parts, protecting them from dirt or injury, and securing safety of operation. **This casting is completely machined at one setting for all bearings, the crosshead, cylinder head and shaft bearings, insuring alignment of all working parts.** The pinion and gear are mounted between double bearings. Both gear and pinion are machine cut from the solid—the gear is cast iron and the pinion steel. An eccentric cast integral with the main gear operates the crosshead through a connecting rod which is adjustable for wear at the eccentric end, and is fitted with a renewable bronze bushing at the crosshead end. The crosshead is of large diameter running in a bored guide.

From the oil reservoir in the base, oil is carried by the main gear to the highest parts of the pump and by a system of channels distributed to all moving parts and returned again to the reservoir. This system of flood lubrication contributes quiet operation and long life, with a minimum of attention.

The cylinder is a one-piece casting, brass lined and fitted with bronze valves on bronze seats, all accessible for inspection by removing air chamber and without disturbing pipe lines. The piston is packed with double cup leathers (Special Packing used for hot water or oil.) The piston rod is brass covered fitted with a concave faced disc water deflector (D) as a special guard against carelessness of the user in not keeping the stuffing box properly packed. Another special feature on this pump—it is fitted with Motor Pads (C) for mounting the motor on top like Fig. 2871 on next page. This permits changing the drive at any time with a minimum of expense.

Suction and discharge may be taken from either side. Built extra heavy throughout.

**For Pumping Hot Water, see Page 204, For Pumping Gasoline or Oil, see Page 112.**





# MYERS HIGH PRESSURE SELF-OILING BULLDOZER POWER PUMP

*Perfect and Continuous Lubrication*

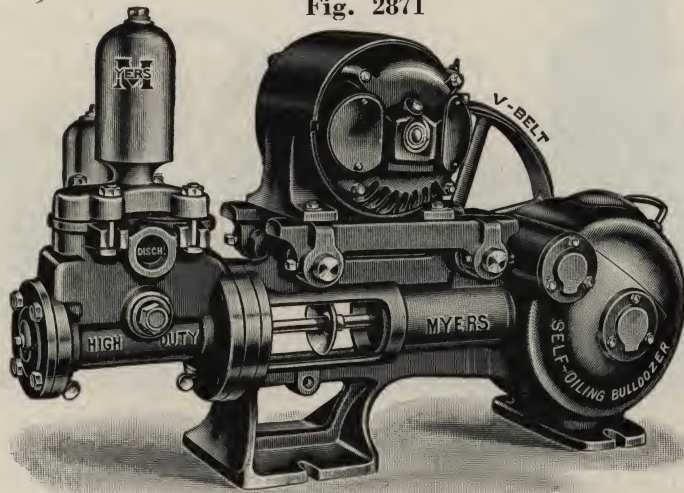
PATENTED

V-Belt Drive

Complete With Motor

250 Pounds Pressure

Fig. 2871



## FLOOR SPACE

$1\frac{3}{4}$  x 3" Pump....15" x 34" x 18" H.      3 x 5" Pump....24" x 54" x 33" H.  
 $2\frac{1}{4}$  x 4" Pump....18" x 44" x 23" H.      4 x 6" Pump....26" x 64" x 38" H.

Self-Oiling

Back Geared 5 to 1

Especially Adapted for Oil Fields, Road Construction and Village Water Works  
For Pumping Gasoline, Oil or Hot Water, See Pages 112 and 204

For Use in Raising Water Not Exceeding 25 Feet Vertical Lift to Low Water Level

Fig. 2871 represents the Myers High Pressure Self-Oiling Bulldozer Power Pump, equipped with V-Belt Drive, including Motor

For complete description of Pumps see Page 108

## PRICE LIST, Represented by Fig. 2871, as Generally Used

For More Elevation or Feet Head, Use Larger Motor

Pump No.	Cylinder Brass Lined		Capacity		A.C. Motor 1 Phase 110-220 Volt 60 Cycle H.P.	Suc. and Disch. In.	Lbs. Pres.	Weight Pounds	Code	Price
	Diam. Inches	Stroke Inches	Plgr. Speed R.P.M.	Max. Gals. Per Min. at Pump						
V931M	$1\frac{3}{4}$	3	70	$4\frac{1}{8}$	$\frac{1}{2}$	$1\frac{3}{4}$	100	245	LEDOT	\$ 98.00
V932M	$2\frac{1}{4}$	4	70	$9\frac{2}{3}$	2	$1\frac{1}{4}$	200	324	LEPAK	205.00
V933M	3	5	52	16	5-3 Ph.	$1\frac{1}{2}$	250	760	LEPBI	323.00
V934M	4	6	45	$29\frac{1}{4}$	$7\frac{1}{2}$ -3 Ph.	2	200	1236	LIRHY	496.00

In Working Against Pressure the Above Capacities Will Be Reduced 5 to 10% on Account of Slippage.

Air Intake Valve for pneumatic use on any of above Pumps, add to Price.....\$ 2.00

$\frac{1}{2}$  H.P. 50 Cycle Motor add to Price ..... 2.00

1 H.P. and larger 50 cycle motors same price as 60 Cycle.

### EACH PUMP TESTED UNDER 300 POUNDS PRESSURE

If Frequency, Voltage or Phase, are other than specified above, there will be an extra charge.  
Specify Current Used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

REPAIRS: See Pages 22, 106 to 110, No. R40 Repair Catalog





# MYERS HIGH PRESSURE SELF-OILING BULLDOZER POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

250 Pounds Pressure or 580 Feet Elevation

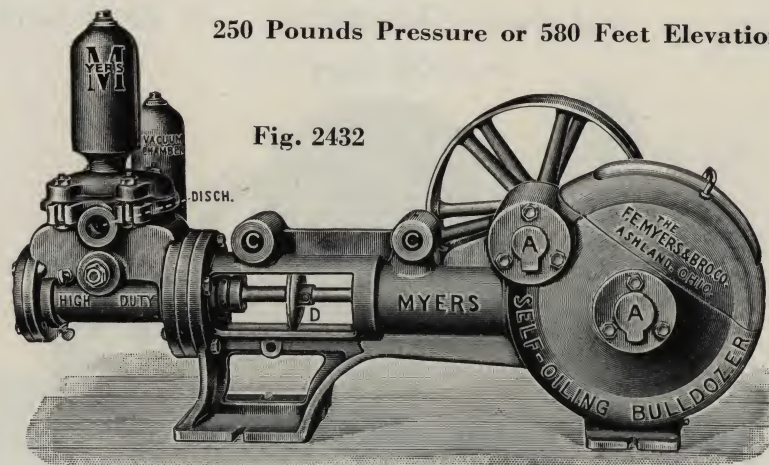


Fig. 2432

Especially Adapted for Oil Fields, Road Construction and Village Water Works

FLOOR SPACE:  $\left\{ \begin{array}{l} 1\frac{3}{4} \times 3'' \text{ Pump} \dots 15'' \times 34'' \times 18'' \text{ H.} \quad 3 \times 5'' \text{ Pump} \dots 18'' \times 54'' \times 28'' \text{ H.} \\ 2\frac{1}{4} \times 4'' \text{ Pump} \dots 18'' \times 44'' \times 23'' \text{ H.} \quad 4 \times 6'' \text{ Pump} \dots 24'' \times 64'' \times 34'' \text{ H.} \\ 5 \times 8'' \text{ Pump} \dots 40'' \times 74'' \times 46'' \text{ H.} \end{array} \right\}$

For Use in Raising Water Not Exceeding 25 Feet Vertical Lift to Low Water Level

THE Myers High Pressure Self-Oiling Bulldozer Power Pump as equipped with Tight and Loose Pulleys for Engine Drive or Single Pulley and Belt Tightener for Motor Drive.

For Complete Description of Pumps see Page 108

## PRICE LIST, Represented by Fig. 2432

FOR GAS ENGINE DRIVE

Pump No.	Cylinder Brass Lined Diam. & Stroke	Capacity			Max. H.P.	Pulleys		Suction and Discharge	Weight Lbs.	Code	Price
		Usual Plgr. Speed R.P.M.	Max. Plgr. Speed R.P.M.	Max. Gals. Per. Min. at Pump		Tight and Loose, Inches Eng.	Tight, With Belt Tightener Motor Drive				
931	1 $\frac{3}{4}$ x 3	60	70	4 $\frac{1}{8}$	2	12 x 2		1 x $\frac{3}{4}$	152	LAGIZ	\$ 59.00
932	2 $\frac{1}{4}$ x 4	60	70	9 $\frac{2}{3}$	4	14 x 2 $\frac{1}{2}$		1 $\frac{1}{4}$	259	LAGNO	86.00
933	3 x 5	50	55	16 $\frac{3}{4}$	7 $\frac{1}{2}$	16 x 4		1 $\frac{1}{2}$	491	LAGOM	127.00
934	4 x 6	40	50	32 $\frac{1}{2}$	14	24 x 4		2	790	LAHDI	224.00
635	5 x 8	35	45	61	18	30 x 6		2 $\frac{1}{2}$	2055	LAHEG	580.00
FOR MOTOR DRIVE, WITH BELT TIGHTENER											
931M	1 $\frac{3}{4}$ x 3	60	70	4 $\frac{1}{8}$	1		15 x 2 $\frac{1}{2}$	1 x $\frac{3}{4}$	165	LAFON	\$ 64.00
932M	2 $\frac{1}{4}$ x 4	55	70	9 $\frac{2}{3}$	3		20 x 3	1 $\frac{1}{4}$	296	LAFUB	95.00
933M	3 x 5	50	55	16 $\frac{3}{4}$	5		24 x 4	1 $\frac{1}{2}$	518	LAGAP	138.00
934M	4 x 6	40	50	32 $\frac{1}{2}$	10		30 x 4	2	847	LAGEH	238.00
635M	5 x 8	35	45	61	18		42 x 6	2 $\frac{1}{2}$	2070	LAHFE	604.00

In Working Against Pressure the Above Capacities Will Be Reduced 5 to 10% on Account of Slippage.

Air Intake Valve for pneumatic use on any of above Pumps, add to Price.....\$ 2.00

EACH PUMP TESTED UNDER 300 POUNDS PRESSURE

Feet Elevation or Head .....	250	300	350	400	450	500
H. P. Required, 2 $\frac{1}{4}$ x 4'' Cyl. (65 R. P. M.) .....	1 $\frac{1}{2}$	2	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$	3
H. P. Required, 3 x 5'' Cyl. (60 R. P. M.) .....	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	6
H. P. Required, 4 x 6'' Cyl. (50 R. P. M.) .....	5	6	7	8	9	10
H. P. Required, 5 x 8'' Cyl. (45 R. P. M.) .....	9	10	12	13	15	17

REPAIRS: See Pages 22, 106 to 110, No. R40 Repair Catalog





# INSTALLATION MEASUREMENTS SHALLOW WELL PUMPS

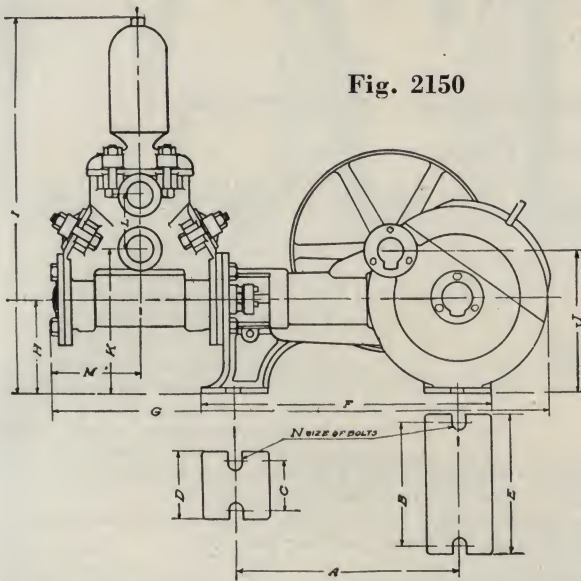


Fig. 2150

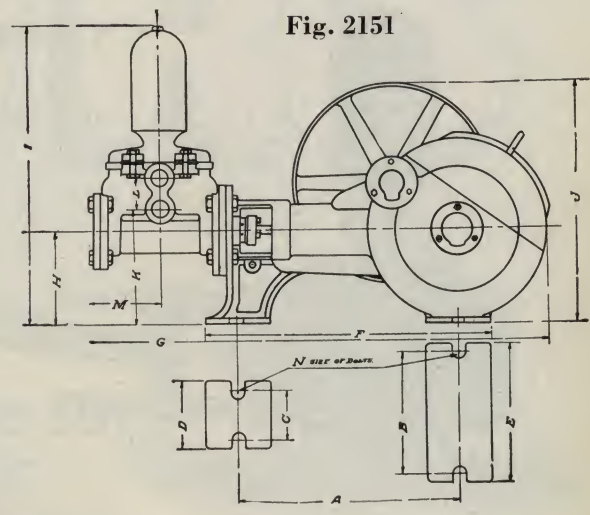


Fig. 2151

Measurements Given in Inches.

For Fig. 2150

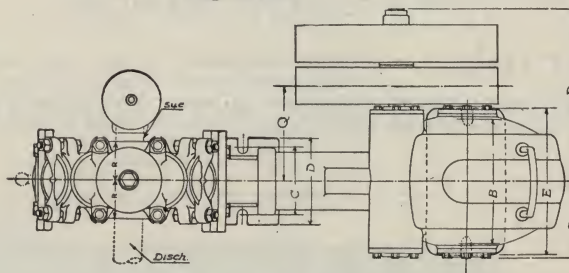
Pump No.	Cyl.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Pulleys
910	2 1/2 x 3	18 1/2	7 3/8	3	4	8 1/2	23	35 3/4	5 5/8	23	8 1/2	8 5/8	3 3/16	5 13/16	3 3/8	12x2
912	2 1/2 x 3	15 1/2	7 3/8	5	6	8 1/2	20 3/4	34	5 5/8	23	8 1/2	8 5/8	3 3/16	5 13/16	3 3/8	12x2
913	3 x 4	19 1/2	8 3/4	6 1/2	8	10	26 1/2	42	7	26 5/8	10 1/2	11 1/8	3 5/8	7	1 1/2	14x2 1/2
914	4 x 5	25 15/16	9 3/4	8 5/8	10	11	33 11/16	53	8 7/8	34	13 1/2	13 9/16	3 3/4	8	1 1/2	16x4
915	5 x 5	25 15/16	9 3/4	8 5/8	10	11	33 11/16	55	8 7/8	35 1/2	13 1/2	14 1/4	4 7/16	9 1/8	1 1/2	16x4
916	6 x 6	31 3/4	12 1/4	11	12	13 1/2	40 3/4	63	10 1/4	41	15 1/2	15 7/8	5 1/2	10 11/16	5 5/8	24x4
618	8 x 8	17	10	12	19	61 1/4	75	14 1/2	14 1/2	58	22	21 5/8	8 1/8	12 1/2	3 3/4	30x6

Measurements Given in Inches

For Fig. 2151

Pump No.	Cyl.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Pulleys
931	1 3/4 x 3	15 1/2	7 3/8	5	6	8 1/2	20 3/4	32 3/4	5 5/8	17 3/4	14 1/2	6 7/8	2 1/4	4 3/4	3/8	12x2
932	2 1/4 x 4	19 1/2	8 3/4	6 1/2	8	8 1/2	26 1/2	39 1/2	7	22 5/8	17 1/2	8 3/8	3	5 1/2	1 1/2	14x2 1/2
933	3 x 5	25 15/16	9 3/4	8 5/8	10	11	33 11/16	50 5/16	8 7/8	28 3/4	22	10 13/16	3 3/16	7	1 1/2	16x4
934	4 x 6	31 3/4	12 1/4	11	12	13 1/2	40 3/4	58 1/4	10 1/4	34	25 1/2	12 5/8	3 7/16	8	5 5/8	24x4
635	5 x 8	17	10	12	19	61 1/4	75	14 1/2	14 1/2	46	37	17 3/8	3 3/4	12 1/2	3 3/4	30x6

Fig. 2148



For Fig. 2148

Pump No.	Cylinder	C	D	E	O	P	Q	Motor Q	R	Pulleys
912-931	2 1/2 x 3	5	6	8 1/2	4 1/2	10 3/16	6	6 3/4	2	12x2
913-932	3 x 4	6 1/2	8	10	5 1/4	12	6 5/8	8	2 5/8	14x2 1/2
914-933	4 x 5	8 5/8	10	11	6 1/2	17	8 9/16	10	2 7/8	16x4
915	5 x 5	8 5/8	10	11	6 1/2	17	8 9/16	10	3 3/4	16x4
916-934	6 x 6	11	12	13 1/2	7 7/8	18 1/2	11	12	4	24x4
618-635	8 x 8	10	12	19	10	27 1/2	16	16	*7 1/8	30x6

\*Dimension "R" is 4 1/2" on No. 635.

Foundation bolt hole dimensions are as shown in Fig. 2150.





# MYERS PITMAN POWER DOUBLE ACTING FORCE PUMP

Fig. 1272

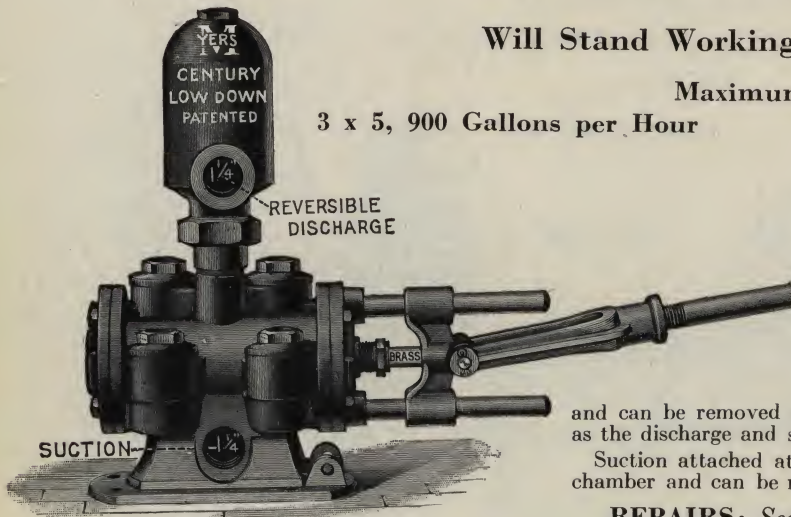
PATENTED

Will Stand Working Pressure of 60 Pounds

Maximum Capacity

3 x 5, 900 Gallons per Hour

5 x 5, 2000 Gallons per Hour



This illustration represents the 3 x 5 Pump.

For Wells Not Exceeding 25 Feet Vertical Lift to Low Water Level

FIG. 1272 represents the Myers Century Pitman Power Double Acting Force Pump, fitted with Stub Pitman, to be used with counter-shaft, back geared engine, or other power. The valves are located directly under individual caps as the discharge and suction pipes, cylinder heads, etc.

Suction attached at either side. Discharge is direct from bottom of air chamber and can be run in any direction from pump.

REPAIRS: See Pages 125-126, No. R40 Repair Catalog

## PRICE LIST, Represented by Fig. 1272

No. 456, Myers Century Pitman Power Double Acting Force Pump, 3 x 5 inch brass lined cylinder, brass grid valve seats, hard rubber valves with spring, suction and discharge 1 1/4 inch. Weight 70 Lbs. ....	LAHHA	\$27.25
No. 454, Myers Century Pitman Power Double Acting Force Pump, 5 x 5 inch brass lined cylinder, brass seats, metal valves rubber faced, suction and discharge 2 inch. Weight 114 Lbs. ....	LAHIY	41.00

## MYERS PUMPS FOR HANDLING OIL, KEROSENE AND GASOLINE

Any of the Myers Self-Oiling Bulldozer Power Pumps, Pages 99-104 and 109-110, can be furnished for handling crude oil, kerosene or gasoline. For this type of service they are fitted with brass valves, Fig. 2433, and telescope style of plunger, Fig. 2434, with braided hemp packing and special gaskets suitable for the liquid to be pumped, for which we add to the regular list of pumps as follows:

1 3/4, 2 1/4, 2 1/2" Diam. Cyl. \$3.00	3" Diameter Cyl. \$6.00	4" Diameter Cyl. \$8.00
5" Diameter Cyl. .... 12.00	6" Diameter Cyl. 14.00	8" With Brass Valves and Canvas Cups .... 15.00

In pumping gasoline the capacity of a pump is reduced 40% from its water capacity.

### HORIZONTAL SUCTION

Water can be drawn any reasonable distance horizontally (up to 500 feet)—the only thing to be overcome is the friction in pipe and atmospheric pressure. Perpendicular lift should not be over 20 feet. Always use a foot valve at the lower end of the pipe. Vacuum chamber assists the flow of water materially.

Use over-size pipe on long suction.

### All Steel Sub-Base

Fig. 2050



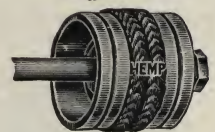
We can furnish all Steel Arc-Welded Sub-Bases to suit special installation requirements. Prices quoted on receipt of specifications.

Fig. 2433



Brass Valves  
LAYRO

Fig. 2434



Hemp Packing  
LAYZY

Fig. 2051

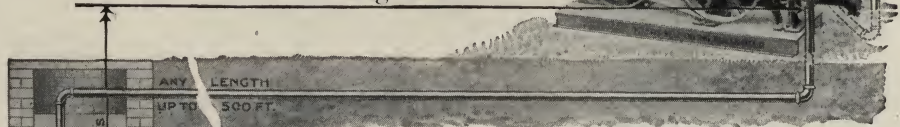


Fig. 2052

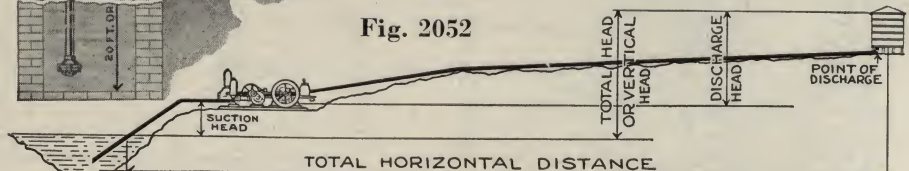


Fig. 2052, Sectional illustration calling for information when ordering pumps for us under special conditions.



# MYERS

**MYERS SELF-OILING  
AUTOMATIC  
WATER SYSTEMS  
AND  
POWER PUMPS**

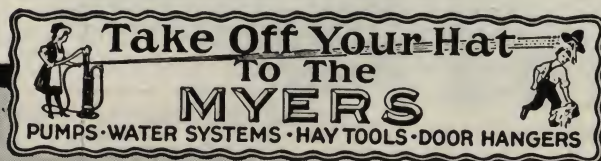
**FOR DEEP WELLS**

**SIX, NINE, TWELVE, EIGHTEEN AND  
TWENTY-FOUR INCH STROKES**

**180 TO 6000 GALLONS PER HOUR  
CAPACITIES**

**FOR PRESSURE OR FOR GRAVITY  
SERVICE**

**SEE REPAIR CATALOG FOR REPAIRS**



S.O.D. W.  
POWER

PUMP  
JACKS

EJECTO  
PUMPS

CENTRI-  
FUGIALS

ACCES-  
ORIES

HAND  
SPRAY

POWER  
SPRAY

SPRAY  
ACCESS

POWER  
WASHERS

HAY  
TOOLS

DOOR H.  
HANGERS

ENG.  
DATA

INDEX





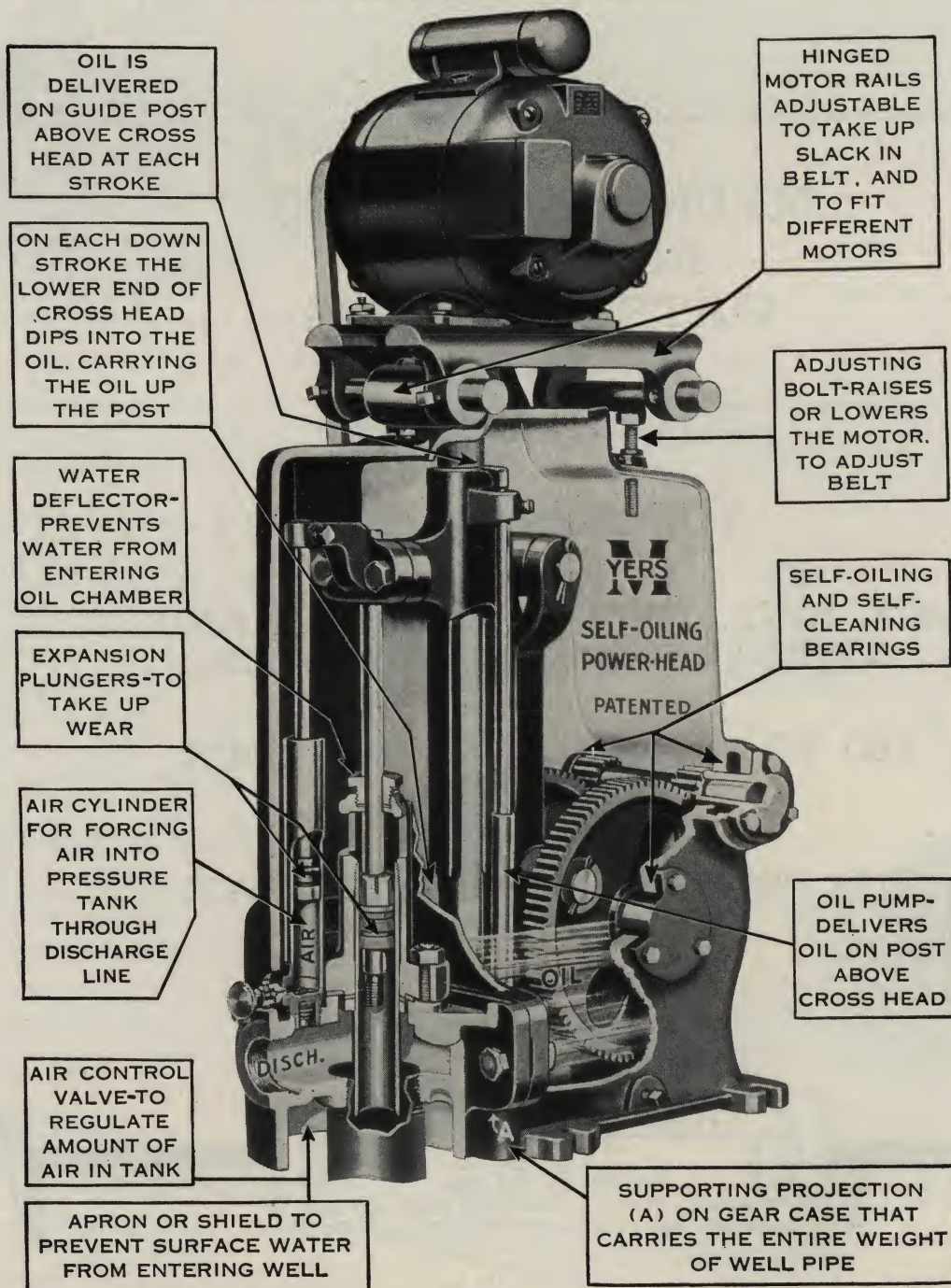
# MYERS SELF-OILING DEEP WELL POWER PUMPS

The feature illustration below shows the Myers Deep Well Power Pump with Air Cylinder for PRESSURE TANK SERVICE.

The construction of the Myers Deep Well Power Pump for OPEN TANK SERVICE is identical except furnished without Air Cylinder.

Salesmen and Dealers will find it to their advantage to familiarize themselves with the Sales Features as pointed out in this illustration in selling Myers Deep Well Power Pumps.

## PERFECT AND CONTINUOUS LUBRICATION







# MYERS SELF-OILING DEEP WELL POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

For Pressure Tank, Open Tank or Other Service

Made in Three Sizes 6, 9 and 12 Inch Strokes

Back Geared 7 to 1

**T**HE Myers Self-Oiling Bulldozer Deep Well Power Head, a Dependable Pump, will run continuously 24 hours a day without attention (oils itself). It is designed to meet the needs of Suburban or Village Homes, Country Estates, Farms, Creameries, Hotels, Apartment Houses, Village Water Works, Mines, Manufacturing Plants, Railroads, or other places where water is required from a source of supply beyond the depth of 25 feet and in connection with a Pneumatic Pressure Tank or for Open Tank or other Service.

With a view of securing safety in operation, long life and economy, all working parts are fully enclosed and run in oil.

**The Main Frame**, which carries all the bearings, forms the oil reservoir. **This casting is completely machined at one setting for all bearings, insuring alignment of all working parts.** From this reservoir the oil is distributed to all moving parts.

**The Bearings** are accurately fitted in the main frame (quickly removable) and are so constructed that they hold the pinions in position. The Bearings coming in contact with the pinions wipe the oil from the pinions and carry it through a specially provided groove to the center of the bearing, leading it to the shaft at this point, from which the oil passes out around the end of shaft and returns to the oil reservoir, resulting in a **thoroughly lubricated and self-cleaning bearing.**

**Plain Cast Iron Bearings** in connection with a Steel Shaft, when perfectly and continuously lubricated, as in the Myers, will outwear any other kind of a bearing. These features apply to all Myers Self-Oiling Bulldozer Pumps and Power Heads.

**The Gears** are Double, machine cut from solid Cast Iron. Back Geared 7 to 1. See Fig. 2140.

**The Pinions** are Steel cut integral with the steel driving shaft.

**Bearing Pins** are ground full length.

**The Cross Head Sleeve** is the same length as Pitman, extra heavy, Bored and Broached. On each

down stroke it dips into the oil, carrying the oil up the Post to the top of Cross Head from which it overflows to oil the Pitman Pin. In addition, it is fitted with a simple Oil Pump, Fig. 2391, which is attached to the top of the Cross Head. On each down stroke it discharges a jet of oil on the Guide Post **above the Cross Head** insuring perfect lubrication at the highest point.

**Bronze Bushings** are used in Cross Head and lower end of Pitman or Link.

**The Pipe Head** is supported on a flanged projection (A) on Main Frame, Fig. 2878, is accurately machined and held with heavy bolts, insuring perfect alignment and a rigid support. It is fitted with an apron extending well below the top of Well Casing preventing surface water from entering the Well.

**The Piston Rod** is recessed and clamped solid to Cross Head. The Plunger can be withdrawn without moving the Pump Head or disturbing the Suction or Discharge pipes.

**The Piston Plunger**, Fig. 2918, is fitted with two Cup Leathers; the upper one has a rubber expander and an adjusting nut above. By turning this nut, the rubber is expanded, taking up all wear on the Cup Leather—No Leak.

**The Plunger Tube** is fitted with a special cap, which deflects any water outward that might pass a worn plunger leather, preventing it from entering the Oil Chamber.

**The Motor Rails** are adjustable and reversible and will fit any make of Motor. They are hinged at one end to a pad or base on the main frame, and rest on an adjusting bolt at the opposite end, by means of which the Motor can be raised or lowered to adjust the Belt.

**The Motor** is mounted on the Pump Head making a complete unit occupying the minimum of space.

**Anti-Freezing Set Length** is furnished with any of these Working Heads at an extra price as specified in list.

**Air Compressor.** 1" in Diameter. Air is taken in on upward stroke and discharged on down stroke direct into water line leading to tank. Air is controlled by Air Control Valve.

PUMP JACKS  
ELECTO PUMPS  
CENTRI-  
FUGALS  
ACCESS-  
ORIES  
HAND  
SPRAY  
POWER  
SPRAY  
ACCESS  
POWER  
WASHERS  
HAY  
TOOLS  
TIRE L  
ENG  
DATA  
MOVERS





# MYERS SELF-OILING DEEP WELL POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

For Pressure Tank Service

Fig. 2918



Fig. 2935

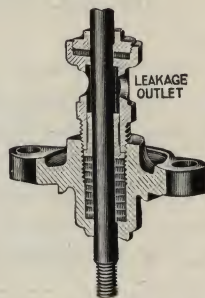


Fig. 2918 Expansion Plunger used on all Power Heads fitted with Plunger Tube.

Fig. 2935 Stuffing Box recommended when a Double Acting Working Barrel is installed.

Fig. 2391



Sectional View of Oil Pump. Delivers Oil on Post above Cross Head.

Fig. 2878

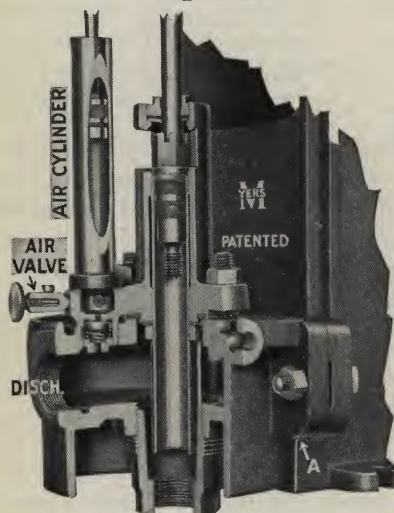
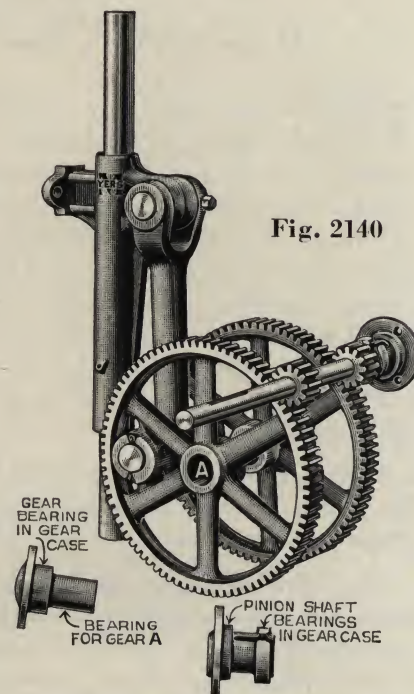


Fig. 2878 shows an enlarged view of the Pipe Head Connection. Note the supporting projection (A) on Pump Head or Gear Case that carries the entire weight of Well Pipe and Head. In addition, two extra heavy bolts are used. These parts are accurately machined, insuring perfect alignment.

Fig. 2140



Gear Assembly and All Bearings

Fig. 2372

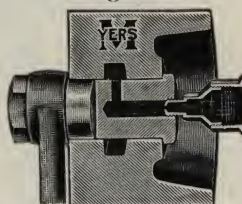


Fig. 2372, a cross section of Belt Tightener Pulley showing the oiling system. Note the large groove in Pulley, constantly filled with hard oil, insuring perfect lubrication. Used on all belt tighteners.

**6" Stroke Pumps.** The apron on Pipe Heads tapped for 2½" Drop Pipe will receive a 5" Pipe or 5⅜" I. D. Well Casing. Pipe Heads tapped for 3" Drop Pipe will receive a 5" Pipe or 5⅝" I. D. Well Casing.

**9" Stroke Pumps.** The apron on Pipe Heads tapped for 3" Drop Pipe will receive a 5" Pipe or 5⅜" I. D. Well Casing. Pipe Heads tapped for 4" Drop Pipe will receive a 6" Pipe or 6¼" I. D. Well Casing.

**12" Stroke Pumps.** The apron on Pipe Heads tapped for 4" Pipe will receive a 6" Pipe or 6¼" I. D. Well Casing. Pipe Heads tapped for 6" Drop Pipe will receive an 8" Pipe or 8¼" I. D. Well Casing.

Fig. 2192

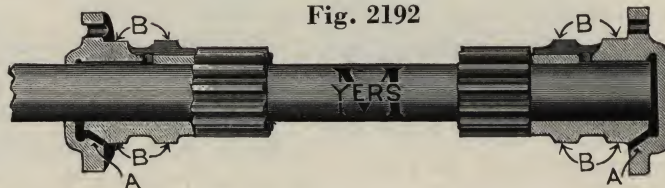


Fig. 2192 shows a sectional view of the Bearings and illustrates the Oil Passage, "A" through which the oil passes around the ends of the Shaft, washing out any sediment that will naturally accumulate at the dead end of the Shaft (Self Cleaning). This insures Thorough and Complete Lubrication at this point—

a vital feature. Note the extra length of the Shaft Bearings which come in contact with the sides of Pinions, holding them in position; also the Bearings "B" which fit snugly into the main frame and are held by heavy cap screws. Any Bearing can be removed and replaced in five minutes.

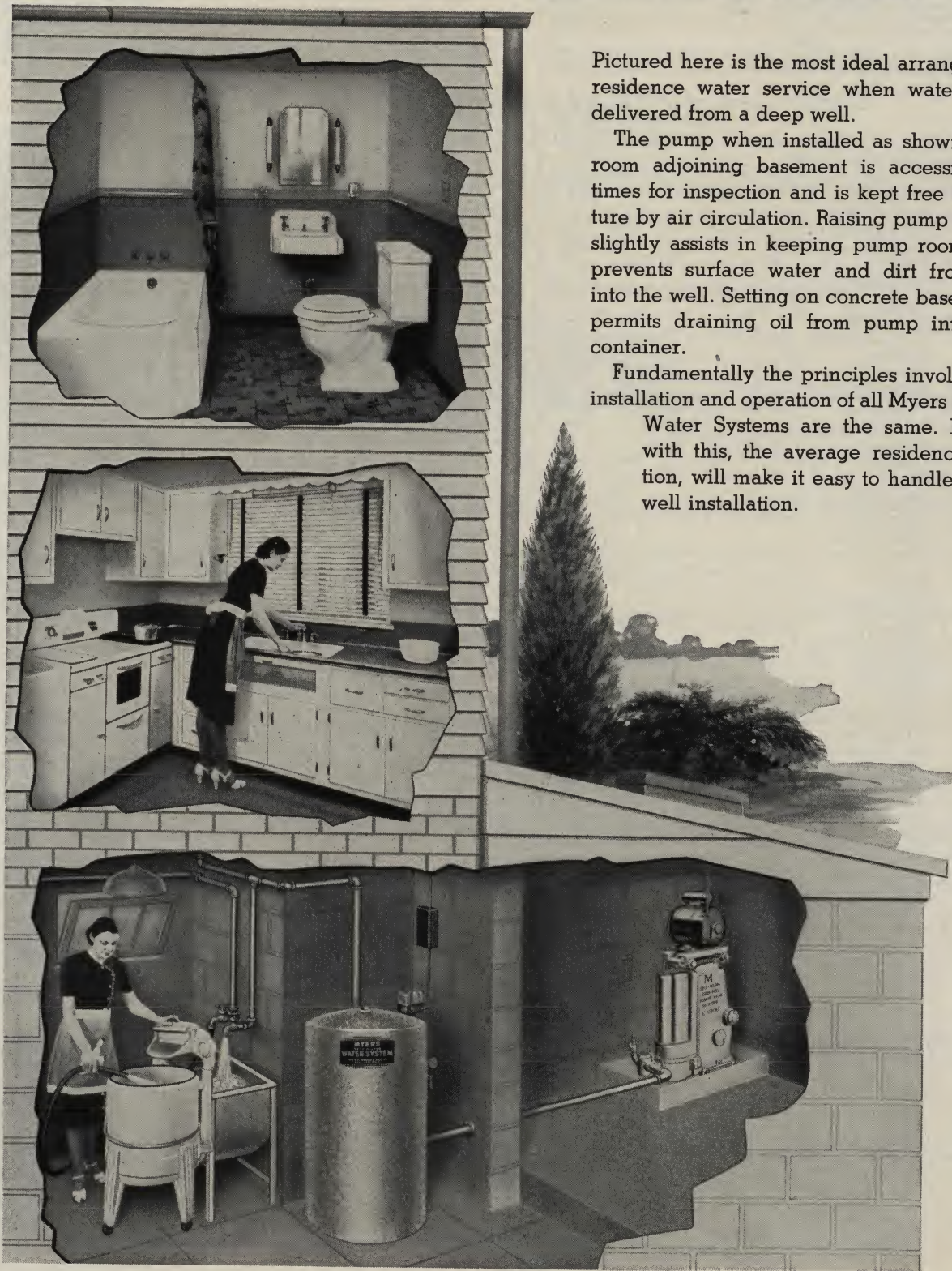




# MYERS SELF-OILING AUTOMATIC WATER SYSTEM

## For Pumping From Deep Wells

### Electrically Operated — Automatically Controlled



Pictured here is the most ideal arrangement for residence water service when water must be delivered from a deep well.

The pump when installed as shown in pump room adjoining basement is accessible at all times for inspection and is kept free from moisture by air circulation. Raising pump room floor slightly assists in keeping pump room dry and prevents surface water and dirt from getting into the well. Setting on concrete base as shown permits draining oil from pump into shallow container.

Fundamentally the principles involved in the installation and operation of all Myers Deep Well Water Systems are the same. Familiarity with this, the average residence installation, will make it easy to handle any deep well installation.

PUMP

ELECTO  
PUMPSCENTRI-  
FUGIALACCESS-  
ORIESHAND  
SPRAYPOWER  
SPRAYSPRAY  
ACCESSPOWER  
WASHERSHAY  
TOOLSDOOR H.  
TORE L.ENG.  
DATA

INDEXES





## SELECTION CHART FOR COMPLETE

40 Pounds Maximum Tank Pressure. Tank Located at Pump.

If more than 40 lbs. pressure is required, each additional pound is equal to 2.3 feet in depth of well and must be deducted from the depth of well.

The idea of this chart is to enable the Dealer or Salesman to make a proper and quick selection of the Pump, Working Barrel, Motor and Rod necessary to suit the requirements of the prospect. The prices are approximate (and may be subject to a very slight variation, if any).

These outfits as specified are complete except the Drop Pipe. They include the Pump, Air Pump, Working Barrel, Pump Rod,

(Wood Rod—fitted with black wrought forged couplings; Steel rod—galvanized and polished with galvanized couplings). Motor as specified, V-Belt Drive, Switch, Automatic Air Control, Relief Valve, Check Valve, Galvanized Pressure Tank and Short Piping between Pump and Tank. The prices are List, as shown in No. 73 Catalog.

EXAMPLE: Your prospect says he has a 100 ft. well to low water level, and wants 4.75 Gallons of water per minute. You note in first column 4.75 Gals. per Minute and follow the line across to the column under 100 Feet, and you will find that this job requires a No. V2950AMT Pump,  $\frac{3}{4}$  H. P. Motor, a Fig. 2460 x  $2\frac{1}{4}$ "

## SINGLE ACTING WORKING BARRELS

DEPTH OF WELL TO LOW WATER LEVEL

LIST PRICES

Capacity		35 feet	50 feet	75 feet	100 feet	125 feet	150 feet	200 feet	250 feet
3.00 Gals. Per Min.	Pump No. H. P. Motor Wkg. Barrel Rod Size Price Drop Pipe	V2950AMT $\frac{1}{8}$ 2460-1 $\frac{13}{16}$ " 1 $\frac{1}{8}$ " Wood \$133.70 2"	V2950AMT $\frac{1}{8}$ 2460-1 $\frac{13}{16}$ " 1 $\frac{1}{8}$ " Wood \$136.05 2"	V2950AMT $\frac{1}{2}$ 2460-1 $\frac{13}{16}$ " 1 $\frac{1}{8}$ " Wood \$146.95 2"	V2950AMT $\frac{1}{2}$ 2460-1 $\frac{13}{16}$ " 1 $\frac{1}{8}$ " Wood \$150.85 2"	V2950AMT $\frac{1}{2}$ 2460-1 $\frac{13}{16}$ " 1 $\frac{1}{8}$ " Wood \$154.75 2"	V2950AMT $\frac{3}{4}$ 2460-1 $\frac{13}{16}$ " 1 $\frac{1}{8}$ " Wood \$168.65 2"	V2950AMT $\frac{3}{4}$ 2460-1 $\frac{13}{16}$ " 1 $\frac{1}{8}$ " Wood \$176.45 2"	V2950AMT 1 2460-1 $\frac{13}{16}$ " 1 $\frac{1}{8}$ " Wood \$202.25 2"
180 Gals. Per Hour									
4.75 Gals. Per Min.	Pump No. H. P. Motor Wkg. Barrel Rod Size Price Drop Pipe	V2950AMT $\frac{1}{2}$ 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$143.45 2 $\frac{1}{2}$ "	V2950AMT $\frac{1}{2}$ 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$145.80 2 $\frac{1}{2}$ "	V2950AMT $\frac{3}{4}$ 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$159.70 2 $\frac{1}{2}$ "	V2950AMT $\frac{3}{4}$ 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$163.60 2 $\frac{1}{2}$ "	V2950AMT 1 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$185.50 2 $\frac{1}{2}$ "	V2950AMT 1 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$189.40 2 $\frac{1}{2}$ "	V2950AMT 1 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$197.20 2 $\frac{1}{2}$ "	V2960AMT 1 $\frac{1}{2}$ 2460-1 $\frac{13}{16}$ " 1 $\frac{1}{8}$ " Wood \$362.25 2"
285 Gals. Per Hour									
6.00 Gals. Per Min.	Pump No. H. P. Motor Cylinder Rod Size Price Drop Pipe	V2950AMT $\frac{3}{4}$ 2865-2 $\frac{1}{2}$ " $\frac{7}{16}$ " Steel \$146.10 1 $\frac{1}{4}$ "	V2950AMT $\frac{3}{4}$ 2865-2 $\frac{1}{2}$ " $\frac{7}{16}$ " Steel \$147.00 1 $\frac{1}{4}$ "	V2950AMT $\frac{3}{4}$ 2865-2 $\frac{1}{2}$ " $\frac{7}{16}$ " Steel \$148.50 1 $\frac{1}{4}$ "	V2950AMT 1 2865-2 $\frac{1}{2}$ " $\frac{7}{16}$ " Steel \$168.00 1 $\frac{1}{4}$ "	V2958AMT 1 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$269.25 2 $\frac{1}{2}$ "	V2958AMT 1 $\frac{1}{2}$ 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$293.15 2 $\frac{1}{2}$ "	V2958AMT 1 $\frac{1}{2}$ 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$300.55 2 $\frac{1}{2}$ "	V2958AMT 2 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$358.75 2 $\frac{1}{2}$ "
360 Gals. Per Hour									
7.33 Gals. Per Min.	Pump No. H. P. Motor Wkg. Barrel Rod Size Price Drop Pipe	V2951AMT $\frac{3}{4}$ 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$161.95 3"	V2951AMT 1 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$182.30 3"	V2951AMT 1 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$186.20 3"	V2951AMT 1 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$190.10 3"	V2960AMT 1 $\frac{1}{2}$ 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$345.75 2 $\frac{1}{2}$ "	V2960AMT 1 $\frac{1}{2}$ 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$349.65 2 $\frac{1}{2}$ "	V2960AMT 2 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$402.25 2 $\frac{1}{2}$ "	V2960AMT 2 2460-2 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$415.25 2 $\frac{1}{2}$ "
440 Gals. Per Hour									
8.75 Gals. Per Min.	Pump No. H. P. Motor Cylinder Rod Size Price Drop Pipe	V2950AMT 1 2865-3" $\frac{7}{16}$ " Steel \$164.85 1 $\frac{1}{4}$ "	V2950AMT 1 2865-3" $\frac{7}{16}$ " Steel \$165.80 1 $\frac{1}{4}$ "	V2950AMT 1 2865-3" $\frac{7}{16}$ " Steel \$167.25 1 $\frac{1}{4}$ "					
525 Gals. Per Hour									
9.75 Gals. Per Min.	Pump No. H. P. Motor Wkg. Barrel Rod Size Price Drop Pipe	V2958AMT 1 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$259.45 3"	V2958AMT 1 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$261.80 3"	V2958AMT 1 $\frac{1}{2}$ 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$285.70 3"	V2958AMT 1 $\frac{1}{2}$ 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$300.00 3"	V2958AMT 2 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$330.50 3"	V2958AMT 2 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$337.00 3"	V2958AMT 3 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$382.00 3"	V2958AMT 3 2460-2 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$395.00 3"
585 Gals. Per Hour									
13.75 Gals. Per Min.	Pump No. H. P. Motor Wkg. Barrel Rod Size Price Drop Pipe	V2959AMT 1 $\frac{1}{2}$ 2460-3 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$295.10 3 $\frac{1}{2}$ "	V2959AMT 1 $\frac{1}{2}$ 2460-3 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$299.00 3 $\frac{1}{2}$ "	V2959AMT 2 2460-3 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$329.50 3 $\frac{1}{2}$ "	V2959AMT 2 2460-3 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$336.00 3 $\frac{1}{2}$ "	V2959AMT 3 2460-3 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$374.50 3 $\frac{1}{2}$ "	V2959AMT 3 2460-3 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$381.00 3 $\frac{1}{2}$ "	V2959AMT 3 2460-3 $\frac{1}{4}$ " 1 $\frac{1}{8}$ " Wood \$394.00 3 $\frac{1}{2}$ "	
825 Gals. Per Hour									
18.25 Gals. Per Min.	Pump No. H. P. Motor Wkg. Barrel Rod Size Price Drop Pipe	V2959AMT 2 2460-3 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$323.85 4"	V2959AMT 2 2460-3 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$327.75 4"	V2959AMT 3 2460-3 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$373.15 4"	V2959AMT 3 2460-3 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$381.95 4"	V2959AMT 3 2460-3 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$390.75 4"			
1095 Gals. Per Hour									
21.50 Gals. Per Min.	Pump No. H. P. Motor Wkg. Barrel Rod Size Price Drop Pipe	V2960AMT 2 2460-3 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$376.55 4"	V2960AMT 3 2460-3 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$414.85 4"	V2960AMT 3 2460-3 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$423.65 4"	V2960AMT 3 2460-3 $\frac{3}{4}$ " 1 $\frac{1}{8}$ " Wood \$432.45 4"	V2960AMT 5-3 Phase 2460-3 $\frac{3}{4}$ " 2 $\frac{1}{4}$ " Wood \$526.25 4"	V2960AMT 5-3 Phase 2460-3 $\frac{3}{4}$ " 2 $\frac{1}{4}$ " Wood \$544.45 4"	V2960AMT 5-3 Phase 2460-3 $\frac{3}{4}$ " 2 $\frac{1}{4}$ " Wood \$580.85 4"	
1290 Gals. Per Hour									
34.75 Gals. Per Min.	Pump No. H. P. Motor Wkg. Barrel Rod Size Price Drop Pipe	V2962AMT 5-3 Phase 2460-4 $\frac{3}{4}$ " 2 $\frac{1}{4}$ " Wood \$499.50 5"	V2962AMT 5-3 Phase 2460-4 $\frac{3}{4}$ " 2 $\frac{1}{4}$ " Wood \$510.40 5"	V2962AMT 5-3 Phase 2460-4 $\frac{3}{4}$ " 2 $\frac{1}{4}$ " Wood \$528.60 5"	V2962AMT 5-3 Phase 2460-4 $\frac{3}{4}$ " 2 $\frac{1}{4}$ " Wood \$546.80 5"	If this Table is referred to when ordering, give gallons of water and diameter of Wkg. Bbl., length of Stroke and length of Shell.			
2085 Gals. Per Hour									





## DEEP WELL WATER SYSTEMS

40 Pounds Maximum Tank Pressure. Tank Located at Pump.

Working Barrel, 1½" Wood Rod, List Price \$163.60, all complete except the 2½" Drop Pipe, which you can add. If the low water level in his well is say 85 feet, deduct the list price of 15 feet of 1½" Wood Rod. Or the same well with Fig. 3102 D. A. Working Barrel and 1 H. P. Motor will deliver 8 Gallons per min. for \$213.80. (See under D. A. Working Barrels).

MOTORS specified are 110-220 Volt, A. C., 60 Cycle, Single Phase, except 5 H. P., which is Three Phase, Automatic Start.

If voltage or frequency is other than above, consult the Factory or your Supply House for price.

WORKING BARRELS permit the Plunger, Check Valve and Rod

to be withdrawn through the Drop Pipe without removing the Pipe.

TANKS—42 Gallon Galvanized Tanks are included with all units except Nos. V2958AMT, V2959AMT, V2960AMT and V2962AMT, which units include 82 gallon Galvanized Tanks. If larger tanks are desired add the difference in price as shown on Page 222. SELECT THE TANK SIZE ACCORDING TO QUANTITY OF WATER BEING PUMPED, SO THAT PUMP WILL NOT START AND STOP TOO FREQUENTLY.

## LISTS

DROP PIPE between Pump and Cylinder or Working Barrel and Anti-Freezing Set Lengths not included in these prices.

## DOUBLE ACTING WORKING BARRELS—ALL BRASS

DEPTH OF WELL TO LOW WATER LEVEL

LIST PRICES

Capacity		35	50	75	100	125	150	200	250
5 Gals. Per Min.	Pump No. V2950AMT	V2950AMT	V2950AMT	V2950AMT	V2950AMT	V2950AMT	V2950AMT	V2950AMT	V2950AMT
	H. P. Motor 1½	1½	1½	1½	1½	1½	1½	1	1
	Wkg. Barrel 3102-1½"	3102-1½"	3102-1½"	3102-1½"	3102-1½"	3102-1½"	3102-1½"	3102-1½"	3102-1½"
	Rod Size 1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood
	Price \$161.75	\$164.50	\$169.15	\$183.75	\$188.40	\$193.05	\$220.30	\$229.55	
	Drop Pipe 2"	2"	2"	2"	2"	2"	2"	2"	2"
300 Gals. Per Hour									
7 Gals. Per Min.	Pump No. V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT
	H. P. Motor 1	1	1	1	1	1	1½	1½	1½
	Wkg. Barrel 3102-1½"	3102-1½"	3102-1½"	3102-1½"	3102-1½"	3102-1½"	3102-1½"	3102-1½"	3102-1½"
	Rod Size 1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood
	Price \$280.25	\$284.90	\$289.50	\$294.15	\$298.75	\$328.00	\$337.25		
	Drop Pipe 2"	2"	2"	2"	2"	2"	2"	2"	2"
420 Gals. Per Hour									
8 Gals. Per Min.	Pump No. V2950AMT	V2950AMT	V2950AMT	V2950AMT	V2950AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT
	H. P. Motor ¾	¾	¾	1	1	1½	1½	2	2
	Wkg. Barrel 3102-2¼"	3102-2¼"	3102-2¼"	3102-2¼"	3102-2¼"	3102-1½"	3102-1½"	3102-1½"	3102-1½"
	Rod Size 2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood	1½x¾" Wood
	Price \$182.45	\$185.50	\$208.65	\$213.80	\$218.90	\$375.25	\$384.50	\$417.75	
	Drop Pipe 2½"	2½"	2½"	2½"	2½"	2½"	2½"	2½"	2½"
480 Gals. Per Hour									
10.50 Gals. Per Min.	Pump No. V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT
	H. P. Motor 1	1	1½	1½	1½	1½	2	2	2
	Wkg. Barrel 3102-2¼"	3102-2¼"	3102-2¼"	3102-2¼"	3102-2¼"	3102-2¼"	3102-2¼"	3102-2¼"	3102-2¼"
	Rod Size 2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood
	Price \$289.70	\$292.75	\$317.90	\$323.00	\$328.15	\$333.25	\$367.50	\$377.75	
	Drop Pipe 2½"	2½"	2½"	2½"	2½"	2½"	2½"	2½"	2½"
630 Gals. Per Hour									
12 Gals. Per Min.	Pump No. V2951AMT	V2951AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT
	H. P. Motor 1	1	1½	1½	1½	2	2	3	3
	Wkg. Barrel 3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"
	Rod Size 2½x1½" Wood	2½x1½" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood	2x¾" Wood
	Price \$221.50	\$226.75	\$374.40	\$379.50	\$384.65	\$413.75	\$424.00	\$467.30	
	Drop Pipe 3"	3"	2½"	2½"	2½"	2½"	2½"	2½"	2½"
720 Gals. Per Hour									
16 Gals. Per Min.	Pump No. V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT	V2958AMT
	H. P. Motor 1½	1½	2	2	2	3	3		
	Wkg. Barrel 3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"		
	Rod Size 2½x1½" Wood	2½x1½" Wood	2½x1½" Wood	2½x1½" Wood	2½x1½" Wood	2½x1½" Wood	2½x1½" Wood		
	Price \$326.25	\$331.50	\$364.25	\$373.00	\$381.75	\$422.50	\$440.00		
	Drop Pipe 3"	3"	3"	3"	3"	3"	3"		
960 Gals. Per Hour									
19 Gals. Per Min.	Pump No. V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT
	H. P. Motor 1½	2	2	3	3	3	5-3 Phase	5-3 Phase	5-3 Phase
	Wkg. Barrel 3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"	3102-2¾"
	Rod Size 2½x1½" Wood	2½x1½" Wood	2½x1½" Wood	2½x1½" Wood	2½x1½" Wood	2½x1½" Wood	2½x1½" Wood	2½x1½" Wood	2½x1½" Wood
	Price \$382.75	\$412.00	\$420.75	\$462.50	\$471.25	\$480.00	\$535.50	\$553.00	
	Drop Pipe 3"	3"	3"	3"	3"	3"	3"	3"	3"
1140 Gals. Per Hour									
23 Gals. Per Min.	Pump No. V2959AMT	V2959AMT	V2959AMT	V2959AMT	V2959AMT	V2959AMT	V2959AMT	V2959AMT	V2959AMT
	H. P. Motor 2	2	3	3	3				
	Wkg. Barrel 3102-3¼"	3102-3¼"	3102-3¼"	3102-3¼"	3102-3¼"				
	Rod Size 2¾x1½" Wood	2¾x1½" Wood	2¾x1½" Wood	2¾x1½" Wood	2¾x1½" Wood				
	Price \$378.85	\$384.75	\$426.65	\$436.50	\$446.40				
	Drop Pipe 3½"	3½"	3½"	3½"	3½"				
1380 Gals. Per Hour									
27 Gals. Per Min.	Pump No. V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT
	H. P. Motor 2	3	3	3	5-3 Phase	5-3 Phase	5-3 Phase		
	Wkg. Barrel 3102-3¼"	3102-3¼"	3102-3¼"	3102-3¼"	3102-3¼"	3102-3¼"	3102-3¼"		
	Rod Size 2¾x1½" Wood	2¾x1½" Wood	2¾x1½" Wood	2¾x1½" Wood	2¾x1½" Wood	2¾x1½" Wood	2¾x1½" Wood		
	Price \$428.35	\$467.25	\$477.15	\$487.00	\$534.90	\$544.80	\$564.50		
	Drop Pipe 3½"	3½"	3½"	3½"	3½"	3½"	3½"		
1620 Gals. Per Hour									
36 Gals. Per Min.	Pump No. V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT	V2960AMT
	H. P. Motor 3	3	5-3 Phase	5-3 Phase	5-3 Phase	5-3 Phase	5-3 Phase		
	Wkg. Barrel 3102-3¾"	3102-3¾"	3102-3¾"	3102-3¾"	3102-3¾"	3102-3¾"	3102-3¾"		
	Rod Size 3½x1½" Wood	3½x1½" Wood	3½x1½" Wood	3½x1½" Wood	3½x1½" Wood	3½x1½" Wood	3½x1½" Wood		
	Price \$486.15	\$495.50	\$549.15	\$564.75	\$580.40	\$596.05			
	Drop Pipe 4"	4"	4"	4"	4"	4"			
2160 Gals. Per Hour									

If this Table is referred to when ordering, specify gallons of water and diam. of Wkg. Bbl., length of stroke and length of shell.





# THE MYERS DEEP WELL AUTOMATIC WATER SYSTEM

*Self-Oiling. Perfect and Continuous Lubrication*

PATENTED

V-Belt Drive

6" Stroke

Fig. 3209



Overload Protection  
Complete Automatic Control  
No Personal Attention Necessary

1 H. P. Motor Maximum

CAPACITY, SPEED, DEPTH WELL AND H. P. REQUIRED

Tank Located at Pump

Diam. Cyl. in.	Gals. per min.	Piston Speed 50 R.P.M.	Single Act. Cylinder				Double Acting Cylinder			
			Maximum H.P. Motor Req'd				Gals. per min.	Maximum H.P. Motor Req'd		
			1/8	1/2	3/4	1		1/2	3/4	1
1 13/16	3.00	Max. Depth	55	130	240	350	5	80	170	250
2 1/4	4.75	Wells to		50	110	200	8		75	125
2 1/2	6.00	Low Water			75	130				
2 3/4	7.33	Level			40	100	12			50
3	8.75	40 lbs. Tank Pressure				75				

FIG. 3209 illustrates the Myers Deep Well Complete Water System. It is made up of the Myers Self-Oiling Working Head with a Motor mounted on Gear Case, connected to a 42 gallon Galvanized Tank. The necessary amount of air is controlled by the automatic air control. The air is supplied through the water line between Pump and Tank.

For complete description of Pump see Pages 114 to 117.

Air Conditioning Information, see Page 152.

For Wells 25 Feet or More in Depth to Low Water Level

Regular Suction Tapped 2 1/2" and Bushed to 2" Discharge Pipe to Tank 1" Special Suction 3" Discharge 1"  
Piston Rod Coupling 1/2" Rod x 5/8" Pin

## PRICE LIST, Represented by Fig. 3209

With 42 Gallon Tank

No. V2950AMT,	Complete as shown, including 1/2 H. P., 110-220 Volt, 60 Cycle, Single Phase A. C. Motor, V-Belt, Pressure Gauge, Air Control, Electric Switch, Relief Valve and 42 Gallon Galvanized Tank.	Price
	Wt. 384 Lbs. Floor Space: 22" x 49". Height 37".....	KIPMO \$127.50
No. V2950AMTS,	Same as No. V2950AMT, except with 4 foot Anti-Freezing Set Length, like Fig. 3104. Wt. 388 Lbs.	KIPOJ 132.00
No. V2951AMT,	Same as No. V2950AMT, except Tapped 3" Suction. Wt. 400 Lbs.	KIRAK 132.00
No. V2951AMTS,	Same as No. V2950AMTS, except Tapped 3" Suction. Wt. 410 Lbs.	KIRBI 136.50

With 12 Gallon Tank

No. V2956AM,	Myers Direct Water System, not illustrated, same as No. V2950AMT, except with 12 Gallon Tank. Wt. 318 Lbs. Floor Space: 16" x 40". Height 33".....	KEVKI 123.50
No. V2956AMS,	Same as No. V2956AM, with a 4-foot Anti-Freezing Set Length. Wt. 324 Lbs.	KEVOZ 128.00
	If with 1/8 H. P., A. C. Motor as above, deduct from above price .....	KOCAF 7.00
	If with 3/4 H. P., A. C. Motor as above, add to above price. Wt. 400 Lbs. ....	KOCIP 10.00
	If with 1 H. P., A. C. Motor as above (With Double Belt) add to above price. Wt. 420 Lbs. ..	KOCVO 28.00

If larger than 42 Gallon Tank is desired, add to the list price of Nos. V2950AMT, V2950AMTS, V2951AMT and V2951AMTS: 82 Gallon, \$14.00; 120 Gallon, \$21.50; 220 Gallon, \$58.00; 315 Gallon, \$81.00.

Furnished with Stuffing Box instead of Plunger Tube if specified on order. KEYNY use both Code Words.

Working Barrel or Cylinder Not Included in Above Prices.

If Frequency, Voltage or Phase, are other than specified above on Motor, there will be an extra charge.

Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

For 1/2 H.P. 50 Cycle motor add to 60 Cycle price .....	KODCA	\$2.00
For 3/4 H.P. 50 Cycle motor add to 60 Cycle price .....	KOLOT	2.00

1 H.P. 50 Cycle motors same price as 60 Cycle. KOLLA

For Typical Installations see Pages 134-135.

REPAIRS: See Pages 22, 136 to 155 and 183 to 186, No. R40 Repair Catalog





# MYERS SELF-OILING DEEP WELL POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

Fig. 3224

For Pressure Tank or Open Tank Service

V-Belt Drive

1 H. P. Motor Maximum

6 Inch Stroke

CAPACITY, SPEED, DEPTH WELL AND H. P. REQUIRED

Tank Located at Pump

Diam. Cyl. in.	Gals. per min.	Piston Speed 50 R.P.M.	Single Acting Cylinder				Double Acting Cylinder			
			Max. H. P. Motor Required				Gals. per min.	Max. HP Motor Req'd		
			1/3	1/2	3/4	1		1/2	3/4	1
1 13/16	3.00	Max. Depth	55	130	240	350	5	80	170	250
2 1/4	4.75	Wells to		50	110	200	8		75	125
2 1/2	6.00	Low Water			75	130				
2 3/4	7.33	Level			40	100	12			50
3	8.75	40 lbs. Tank Pressure				75				

For Open Tank Installation Add 65 feet to Above for Total Head

Floor Space: 14 x 24" Height, 33"

Regular Suction 2 1/2" and Bushed to 2" Discharge 1 1/4" Special Suction 3" Discharge 2"  
Piston Rod Coupling, 1/2" Rod x 5/8" Pin

For Wells 25 or More Feet in Depth to Low Water Level

The Myers Self-Oiling Bulldozer Power Head with V-Belt Drive. For Pressure Tank or Open Tank Service. A complete unit mounted on one base. Will run constantly 24 hours a day without attention (oils itself). Expansion Plunger, 1 1/4 inches in diameter, used in upper cylinder.

For complete description of Pump see Pages 114 to 117.

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Fig. 3224

### FOR PRESSURE TANK SERVICE

No.	Description	Price
No. V2950AM,	Complete as shown by Fig. 3224, including 1/2 H. P., 110-220 Volt, 60 Cycle Single Phase, A. C. Motor and V-Belt. Wt. 269 Lbs. ....	KEDUF \$100.00
No. V2950AMS,	Same as No. V2950AM, with 4 ft. Anti-Freezing Set Length. Wt. 278 Lbs. ....	KEFAS 104.50
No. V2951AM,	Same as No. V2950AM, Tapped for 3" Suction. Wt. 278 Lbs. ....	KERBE 104.50
No. V2951AMS,	Same as No. V2950AMS, Tapped for 3" Suction. Wt. 295 Lbs. ....	KERDA 109.00
No. V1950AM,	Same as No. V2950AM, Without Motor. Wt. 188 Lbs. ....	KEFEK 69.00
No. V1951AM,	Same as No. V2951AM, Without Motor. Wt. 192 Lbs. ....	KEREY 73.50

### FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR PUMP)

No. V2950M,	Complete including, 1/2 H. P. 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor and V-Belt. Wt. 266 Lbs. ....	LAZHI 96.00
No. V2950MS,	Same as No. V2950M, with 4 ft. Anti-Freezing Set Length. Wt. 274 Lbs. ....	LAZIG 100.50
No. V2951M,	Same as No. V2950M, except Tapped 3" Suction. Wt. 275 Lbs. ....	LEGPO 100.50
No. V2951MS,	Same as No. V2950MS, except Tapped 3" Suction. Wt. 293 Lbs. ....	LEGWA 105.00
No. V1950M,	Same as No. V2950M, Without Motor. Wt. 180 Lbs. ....	LAZLA 65.00
No. V1951M,	Same as No. V2951M, Without Motor. Wt. 188 Lbs. ....	LEHAS 69.50
	For 1/2 H.P. 50 cycle motor add to above price ....	KODDY 2.00
	For 3/4 H.P. 50 cycle motor add to above price ....	KONDO 2.00
	1 H.P. and larger 50 cycle motors same price as 60 cycle. KOMAV	

The Following Prices DO NOT Apply to Pumps Listed Above WITHOUT Motors.

If with 1/2 H. P., A. C. Motor as above, deduct from above price ....	KODEW 7.00
If with 3/4 H. P., A. C. Motor as above, add to above price. Wt. 284 Lbs. ....	KODLI 10.00
If with 1 H. P., A. C. Motor as above (With Double Belt) add to above price. Wt. 304 Lbs. ....	KODOB 28.00

If Frequency, Voltage or Phase are other than specified above, there will be an extra charge.

Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

Furnished with Stuffing Box instead of Plunger Tube if specified on order, KEYNY use both Code Words.

REPAIRS: See Pages 22, 136 to 155 and 183 to 186, No. R40 Repair Catalog

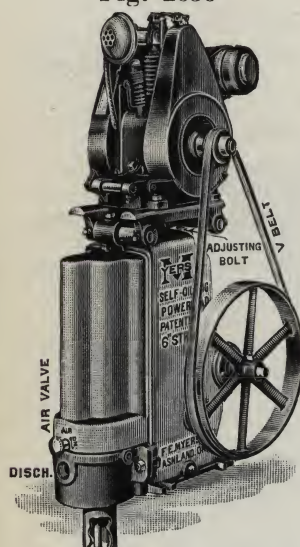




# MYERS SELF-OILING DEEP WELL POWER PUMP

*Perfect and Continuous Lubrication*

Fig. 2636



PATENTED

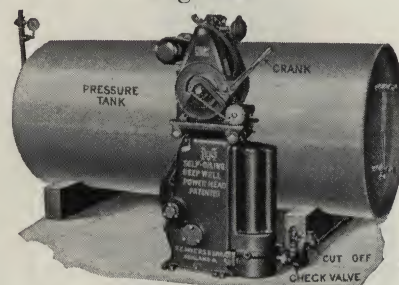
## ENGINE DRIVEN WATER SYSTEMS

V-Belt Drive 6, 9 and 12 Inch Stroke

For Pressure Tank or Open Tank  
Service

For Wells 25 or More Feet in Depth to Low Water Level

Fig. 2551



Engine Driven Water System.  
Install It Now.  
See Next Page

**T**HE Myers Self-Oiling Bulldozer Power Head, Engine Driven, with High Class Dependable Full-Power Air Cooled Engine with Hot-Spark High Tension Magneto built in.

This Engine Driven Pumping Plant enables resi-

dents of villages, farming or other districts where electric current is not available to enjoy the advantages of a Water System at a moderate cost.

Expansion Plunger, used in upper cylinder.

For complete description of Pump see Pages 114 to 117.

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Fig. 2636

### FOR PRESSURE TANK SERVICE

	Price
No. V2950AE, Power Head, 6" Stroke, with $\frac{3}{4}$ H.P. L Engine. Fig. 2636. Wt. 300 Lbs. ....	KITHU \$116.00
No. V2950AES, Same as No. V2950AE with 4 ft. Anti-Freezing Set Length. Wt. 310 Lbs. ....	KITOF 120.50
No. V2958AE, Power Head, 9" Stroke with 2 H.P. Engine. Wt. 612 Lbs. ....	KIMIZ 230.00
No. V2958AES, Same as No. V2958AE with 4 ft. Anti-Freezing Set Length. Wt. 610 Lbs. ....	KIMNO 241.00
No. V2960AE, Power Head, 12" Stroke, with 3 H.P. Engine. Wt. 1035 Lbs. ....	KIMOM 312.50
No. V2960AES, Same as No. V2960AE with 4 ft. Anti-Freezing Set Length. Wt. 1048 Lbs. ....	KINDI 326.00

### FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR PUMP)

No. V2950E, Power Head, 6" Stroke, with $\frac{3}{4}$ H.P. L Engine. Wt. 297 Lbs. ....	LOBFY 112.00
No. V2950ES, Same as No. V2950E with 4 ft. Anti-Freezing Set Length. Wt. 306 Lbs. ....	LOBHU 116.50
No. V2958E, Power Head, 9" Stroke, with 2 H.P. Engine. Wt. 608 Lbs. ....	LIYIP 225.00
No. V2958ES, Same as No. V2958E with 4 ft. Anti-Freezing Set Length. Wt. 606 Lbs. ....	LIYNE 236.00
No. V2960E, Power Head, 12" Stroke, with 3 H.P. Engine. Wt. 1030 Lbs. ....	LIYOC 306.50
No. V2960ES, Same as No. V2960E with 4 ft. Anti-Freezing Set Length. Wt. 1040 Lbs. ....	LIYPA 320.00

For Either of the above 6" Stroke Power Heads fitted for 3" Suction, add to the Price .....	4.50
The 6" Stroke Power Heads, if with 1 H.P. Engine add to above Price .....	KOGOY 25.00
The 9" Stroke Power Heads, if with 3 H.P. Engine, add to above Price .....	KOGTO 26.25
The 9" Stroke Power Heads, if with 4 H.P. Engine, add to above Price .....	KOGUM 35.25
The 12" Stroke Power Heads, if with 4 H.P. Engine, add to above Price .....	KOHBY 15.00
Circuit Breaker for stopping Engine automatically .....	KAMTU 5.25
Furnished with Stuffing Box instead of Plunger Tube if specified on order, KEYNY, use both Code Words.	

For Accessories see Pages 205 to 222. See Performance Tables Pages 118 and 119.

For Typical Installations see Pages 134 and 135.

**REPAIRS:** See Pages 22, 136 to 155 and 183 to 186, No. R40 Repair Catalog





# MYERS DEEP WELL SEMI-AUTOMATIC WATER SYSTEM

Self-Oiling

Perfect and Continuous Lubrication

Fig. 3048

PATENTED

ENGINE DRIVEN WATER SYSTEMS

V-Belt Drive

6, 9 and 12" Stroke

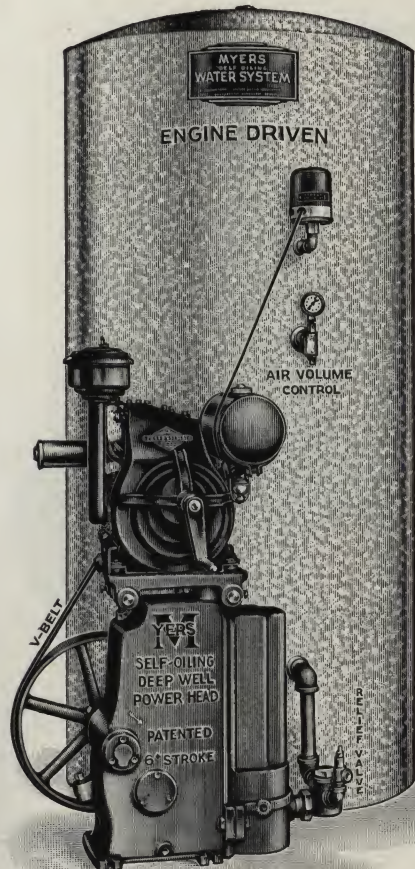
Semi-Automatic Control

For Wells 25 Feet or More in Depth to Low  
Water Level

**FIG. 3048** illustrates the Myers Complete Deep Well Water System Unit.

This Engine Driven Pumping Plant enables residents of villages, farming or other districts where electric current is not available to enjoy all the advantages of an up to date Water System at a moderate cost.

Why wait for an electric line to be built into your district? Install an Engine Outfit now and enjoy its use, then, when the electric line arrives all that is necessary is to change the Engine for a Motor, as the Pump is built to use either.



Equipped with Pressure Gauge, Automatic Air Control, Circuit Breaker to Stop the Engine Automatically, Relief Valve, and Check Valve.  
(Piping between Pump and Tank not included.)

For Pressure Tank, add to the Price as specified below.

For complete description of Pump see Pages 114 to 117.

## PRICE LIST

	Pressure Tank not included in these Prices.	Weight Less Tanks	Price
No. V2950AET,	Complete as shown (except Tank) with 6" Stroke Pump, $\frac{3}{4}$ H.P. L Engine	( 300 Lbs.)... KITIS	\$131.00
No. V2950AETS,	Same as V2950AET with 4 ft. Anti-Freezing Set Length	( 321 Lbs.)... KITKO	135.50
No. V2958AET,	Complete as shown (except Tank) with 9" Stroke Pump, 2 H.P. Engine	( 627 Lbs.)... KILBO	247.50
No. V2958AETS,	Same as V2958AET with 4 ft. Anti-Freezing Set Length	( 625 Lbs.)... KILGE	258.50
No. V2960AET,	Complete as shown (except Tank) with 12" Stroke Pump, 3 H.P. Engine	(1050 Lbs.)... KILJY	332.00
No. V2960AETS,	Same as V2960AET with 4 ft. Anti-Freezing Set Length	(1063 Lbs.)... KILON	346.75
	For Either of the above 6" Stroke Power Heads fitted for 3" Suction, add to the Price		4.50
PRESSURE TANKS FOR ABOVE: Vertical Galv. 220 Gallon, \$73.00; 315 Gallon, \$96.00. Horizontal 525 Gallon, Black, \$79.00; Galv., \$127.50. 720 Gallon, Black, \$118.00; Galv., \$203.00. 1000 Gallon, Black, \$152.00; Galv., \$262.00. Add to above prices.			
Tanks F.O.B. Conshohocken, Pa., or Chicago, Ill.			
The No. V2950AET or AETS if with 1 H.P. Engine, add to above Price		KOHDU	\$25.00
The No. V2958AET or AETS if with 3 H.P. Engine, add to above Price		KOHES	26.25
The No. V2958AET or AETS if with 4 H.P. Engine, add to above Price		KOHGO	35.25
The No. V2960AET or AETS if with 4 H.P. Engine, add to above Price		KOHIK	15.00

For Accessories see Pages 205 to 222. See Performance Tables Pages 118 and 119.

For Typical Installations see Pages 134-135.

REPAIRS: See Pages 22, 136 to 155 and 183 to 186, No. R40 Repair Catalog





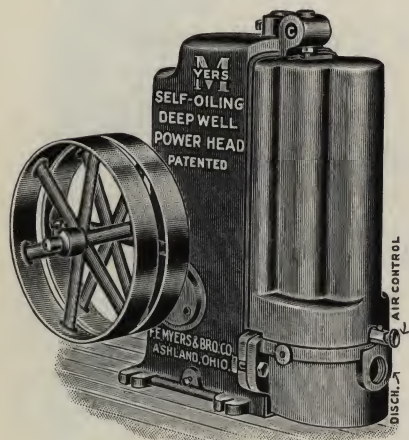
# MYERS SELF-OILING DEEP WELL POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

For Pressure Tank or Open Tank Service

Fig. 2455



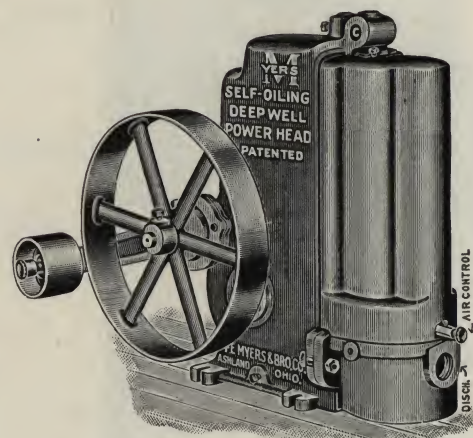
Flat Belt Drive

6 Inch Stroke

Piston Rod Coupling

$\frac{1}{2}$ " Rod x  $\frac{5}{8}$ " Pin

Fig. 2456



Floor Space: 16 x 22". Height 24"

Regular Suction  $2\frac{1}{2}$ " and Bushed to 2"

Discharge  $1\frac{1}{4}$ "

Floor Space: 14 x 23". Height 24"

Special Suction 3"

Discharge 2"

Maximum H. P.: 1 H. P. Motor or 2 H. P. Gas Engine

For Wells 25 or More Feet in Depth to Low Water Level

The Myers Self-Oiling Bulldozer Power Head for Pressure Tank or Open Tank Service.  
Expansion Plunger  $1\frac{1}{4}$  inches, used in upper cylinder.

For complete description of Pump see Pages 114 to 117.

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Figs. 2455 and 2456

### FOR PRESSURE TANK SERVICE

			Price
No. 950A,	Self-Oiling Power Head, with 12 x 2 inch Tight and Loose Pulleys, Fig. 2455.	Wt. 179 Lbs. .... KAPFU	\$62.00
No. 950AS,	Same as No. 950A, with 4 foot Anti-Freezing Set Length.	Wt. 184 Lbs. .... KAPLI	66.50
No. 950AM,	Self-Oiling Power Head, with 15 x $2\frac{1}{2}$ inch Pulley and Belt Tightener, Fig. 2456. Motor Drive.	Wt. 186 Lbs. .... KAPOB	67.00
No. 950AMS,	Same as No. 950AM with 4 foot Anti-Freezing Set Length.	Wt. 195 Lbs. .... KAPUP	71.50
No. 951A,	Same as No. 950A, except Tapped for 3" Suction.	Wt. 185 Lbs. .... KEROD	66.50
No. 951AS,	Same as No. 950AS, except Tapped for 3" Suction.	Wt. 203 Lbs. .... KESAF	71.00
No. 951AM,	Same as No. 950AM, except Tapped for 3" Suction.	Wt. 196 Lbs. .... KESIP	71.50
No. 951AMS,	Same as No. 950AMS, except Tapped for 3" Suction.	Wt. 214 Lbs. .... KESOC	76.00

### FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR PUMP)

No. 950,	Self-Oiling Power Head with 12 x 2 in. Tight and Loose Pulleys, Fig. 2455.	Wt. 176 Lbs. .... LAKED	58.00
No. 950S,	Same as No. 950 with 4 foot Anti-Freezing Set Length.	Wt. 180 Lbs. .... LAKIV	62.50
No. 950M,	Self-Oiling Power Head with 15 x $2\frac{1}{2}$ in. Pulley and Belt Tightener, Fig. 2456.	Wt. 183 Lbs. .... LAKSA	63.00
No. 950MS,	Same as No. 950M with 4 foot Anti-Freezing Set Length.	Wt. 189 Lbs. .... LAKTY	67.50
No. 951,	Same as No. 950, except Tapped for 3" Suction.	Wt. 183 Lbs. .... LEHIC	62.50
No. 951S,	Same as No. 950S, except Tapped for 3" Suction.	Wt. 199 Lbs. .... LEHJA	67.00
No. 951M,	Same as No. 950M, except Tapped for 3" Suction.	Wt. 193 Lbs. .... LEHKY	67.50
No. 951MS,	Same as No. 950MS, except Tapped for 3" Suction.	Wt. 214 Lbs. .... LEHOP	72.00
	Plank Base for above Pumps		6.00

Furnished with Stuffing Box instead of Plunger Tube if specified on order, KEYNY, use both Code Words.

REPAIRS: See Pages 22, 136 to 155 and 183 to 186, No. R40 Repair Catalog





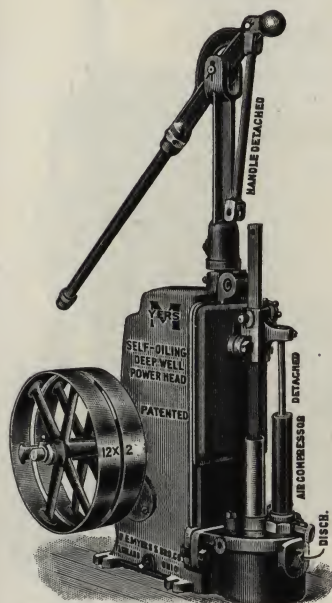
# MYERS SELF-OILING DEEP WELL POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

For Pressure Tank or Open Tank Service

Fig. 2485



For Hand and Power

Flat Belt Drive

6 Inch Stroke

MAXIMUM H. P.

1 H. P. Motor or

2 H. P. Engine

Suction 2 1/2" Bushed to 2"  
Discharge 1 1/4"

Piston Rod Coupling

1/2" Rod x 5/8" Pin

Improved Water Deflector: See Fig. 2878

Floor Space: 16" x 22" x 42" High

For Wells 25 or More Feet in Depth to Low Water Level

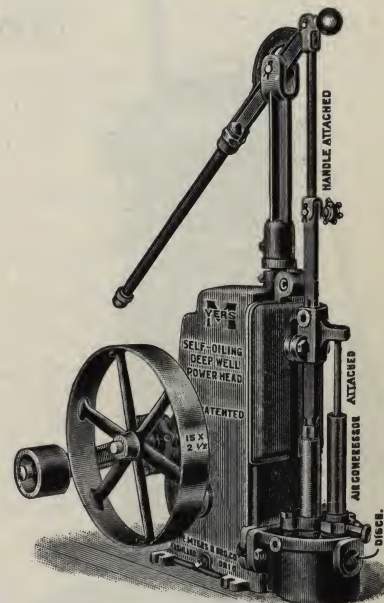
THE Handle Attachment is a great advantage on a motor driven pump as in case of breakdown on power or low voltage which may occur, or where pump is operated by a small engine which cannot be started at all times, or on

account of repairs.

The handle can be attached or detached by placing or removing a hard steel pin provided for that purpose.

For complete description of Pump see Pages 114 to 117.

Fig. 2486



## PRICE LIST, Represented by Figs. 2485 and 2486

### FOR PRESSURE TANK SERVICE

No.	Description	Price
No. 952A,	Self-Oiling Power Head with Handle Attachment, with 12 x 2 inch Tight and Loose Pulleys, Fig. 2485. Weight 178 Lbs. ....	KARAC \$ 66.00
No. 952AS,	Same as No. 952A, with a 4 foot Anti-Freezing Set Length. Wt. 189 Lbs. ....	KARBA 70.50
No. 952AM,	Self-Oiling Power Head with Handle Attachment, with 15 x 2 1/2 inch Pulley and Belt Tightener, Fig. 2486. Weight 202 Lbs. ....	KARHO 71.00
No. 952AMS,	Same as No. 952AM, with a 4 foot Anti-Freezing Set Length. Wt. 210 Lbs. ....	KARIM 75.50

### FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR PUMP)

No. 952,	Self-Oiling Power Head with Handle Attachment, with 12 x 2 inch Tight and Loose Pulleys, Fig. 2485. Weight 175 Lbs. ....	LALBI 62.00
No. 952S,	Same as No. 952, with a 4 foot Anti-Freezing Set Length. Wt. 197 Lbs. ....	LALDE 66.50
No. 952M,	Self-Oiling Power Head with Handle Attachment, with 15 x 2 1/2 inch Pulley and Belt Tightener, Fig. 2486. Weight 186 Lbs. ....	LALEC 67.00
No. 952MS,	Same as No. 952M, with a 4 foot Anti-Freezing Set Length. Wt. 205 Lbs. ....	LALFA 71.50

When current is supplied by Farm Lighting Plant use Hand Control Starting Switch as the Automatic Switch draws too heavily on the Battery at starting.

Furnished with Stuffing Box instead of Plunger Tube if specified on order, KEYNY, use both Code Words.

REPAIRS: See Pages 22, 136 to 155 and 183 to 186, No. R40 Repair Catalog

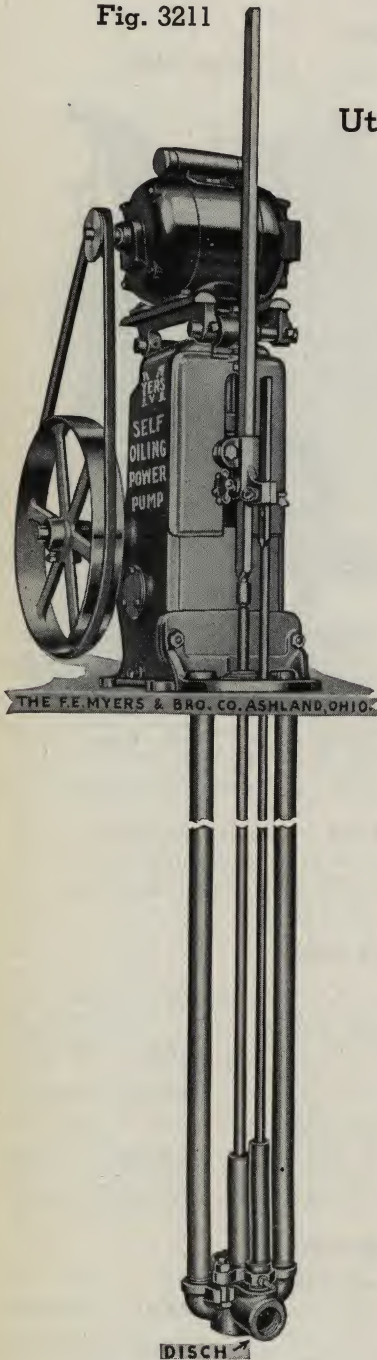
PUMP  
EJECTO  
CENTRI-  
PUMPS  
PUMPS  
SERIES  
ACCESS-  
HAND  
SPRAY  
POWER  
SPRAY  
WASHERS  
HAY  
TOOL  
TORE L  
ENG.  
DATA





# WINDMILL ATTACHMENT FOR MYERS SELF-OILING DEEP WELL POWER PUMPS

Fig. 3211



6" Stroke for Power  
10" Stroke for Windmill

Utilize windmill for part of pumping—Reduce operation costs

For Pressure Tank or Open Tank Service

MAXIMUM  
1 H.P. Motor or  
2 H.P. Engine

Suction 2 1/2", Bushed to 2"  
Discharge 1 1/4"

Piston Rod Coupling  
1/2" Rod x 5/8" Pin

In many sections of the country it has been found desirable to sell Myers Self-Oiling Deep Well Power Pumps for use with windmills. To meet this need the necessary parts are available for equipping any of the pumps appearing on Pages 121 and 124 for this type of installation.

Fig. 3210, shows the attachment connected to plain pumps—Fig. 3211, as applied to pumps fitted with anti-freezing set length.

This simple windmill attachment permits these pumps to be quickly switched from motor or engine to wind power. The change is accomplished easily and quickly with removal or insertion of simple Connection Pin.

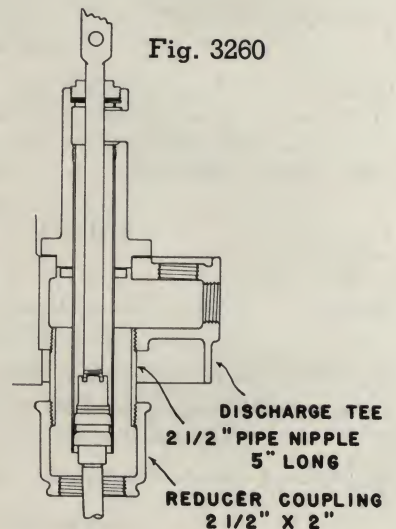
Figure 3260 shows the method of reducing the suction tapping for a drop pipe size less than 2 1/2". This method must be used to give the proper clearance for the extended plunger tube. The nipple and reducer coupling are furnished as regular equipment.

These parts are available only for the Myers Six Inch Stroke Deep Well Power Pumps.

Fig. 3210



Fig. 3260



## WINDMILL ATTACHMENT FOR MYERS SIX INCH STROKE DEEP WELL POWER PUMPS

	Price
Windmill Attachment, when ordered with Plain A, AM or M Pumps. Weight, 185 lbs. .... LOBIS .. Add .....	\$5.00
Windmill Attachment, when ordered with Set Length Pumps. Weight, 190 lbs. .... LOBKO .. Add .....	7.50
When ordering specify catalog number of unit desired and add letters "WT," as "No. V2950AM-WT," etc.	

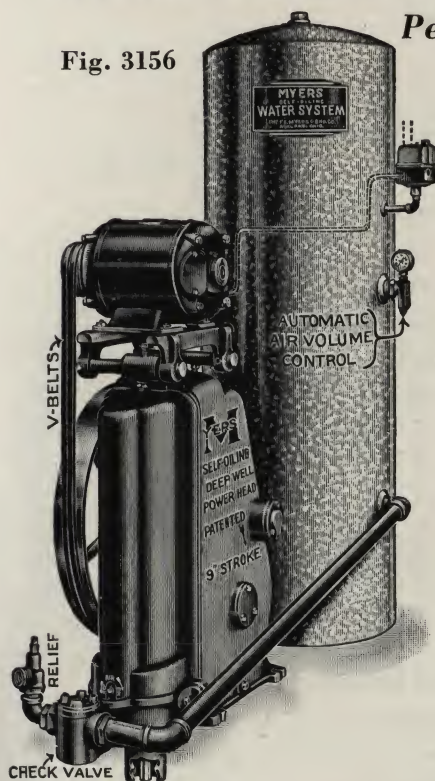




# MYERS DEEP WELL AUTOMATIC WATER SYSTEM

*Perfect and Continuous Lubrication*

Fig. 3156



PATENTED

Self-Oiling

9 Inch Stroke

V-Belt Drive

Overload Protection

Complete Automatic Control

No Personal Attention Necessary

3 H. P. Motor Maximum

CAPACITY, SPEED, DEPTH WELL AND H. P. REQUIRED  
Tank Located at Pump

			Single Acting Cyl.				Double Acting Cyl.				
Diam. Cyl. in.	Gals. per min.	Piston Speed 45 R. P. M.	Max. H. P. Motor Required				Gals. per min.	Max. H. P. Motor Required			
			1	1½	2	3		1	1½	2	3
1⅓ <sub>16</sub>	4.00	Max. Depth	215	385	550	875	7	135	250	375	600
2¼	6.50	Wells to	90	190	290	500	10.5	50	125	200	375
2¾	9.75	Low Water		90	155	290	16		45	100	200
3¼	13.75	Level		28	75	175	23			40	100
		50 lbs.									
3¾	18.25	Tank Pressure			30	100	30				50

Floor Space: 25" x 57" Height 60"

Piston Rod Coupling. 5/8" Pin x 7/8" Pin

Regular Suction 3"

Special Suction 4"

Discharge Pipe to Tank 1½"

For Wells 25 or More Feet in Depth to Low Water Level

FIG. 3156 illustrates the Myers Deep Well Complete Water System. The necessary amount of air is controlled by the automatic air control. The air is supplied through the water line between Pump and Tank.

For complete description of Pumps see Pages 114 to 117.

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Fig. 3156

No.	Description	Price
No. V2958AMT,	Complete as shown, including 1 H. P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, Pressure Gauge, Air Control, Electric Switch and 82 Gallon Galvanized Tank. With Double V-Belts. Weight 720 Lbs.....	KIRDE \$238.50
No. V2958AMTS,	Same as No. V2958AMT, with 4 foot Anti-Freezing Set Length like Fig. 3104. Wt. 750 Lbs....	KIRFA 249.50
No. V2959AMT,	Same as No. V2958AMT, Tapped 4" Suction. Wt. 730 Lbs. ....	KIRGY 245.50
No. V2959AMTS,	Same as No. V2958AMTS, Tapped 4" Suction. Wt. 770 Lbs. ....	KIRLO 256.50
	*If with 1½ H. P., A. C. Motor as above, add to above price. Wt. 787 Lbs.....	KOFAC 20.00
	*If with 2 H. P., A. C. Motor as above, add to above price. Wt. 800 Lbs.....	KOFBA 44.00
	*If with 3 H. P., A. C. Motor as above (With Triple Belt), add to above price. Wt. 828 Lbs..	KOFHO 76.00
	*If with 3 H. P., 3 Phase Automatic Start Motor (With Triple Belt), add to above price. Wt. 828 Lbs.	KOFIM 62.00
	1 H. P. and larger 50 cycle motors same price as 60 cycle. ....	KOFKI

\*The above 1½, 2 and 3 H.P. Motors require a Special Switch which is included in these prices. (Overload Protection Switches carry an Extra Charge.)

If larger Tank is desired, add to above prices: 120 Gallon \$7.50; 220 Gallon \$44.00; 315 Gallon \$67.00. For larger Tanks see page 222.

If Frequency, Voltage or Phase are other than specified above there will be an extra charge. Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

Furnished with Stuffing Box instead of Plunger Tube if specified on order, KEYNY, use both Code Words.

For Typical Installations see Pages 134-135

REPAIRS: See Pages 22, 136 to 138, 156 to 161, and 183 to 186, No. R40 Repair Catalog



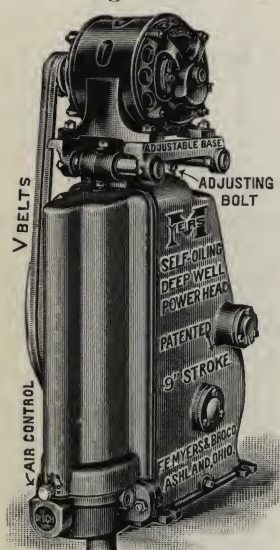


# MYERS SELF-OILING DEEP WELL POWER PUMP

*Perfect and Continuous Lubrication*

Fig. 2628

PATENTED



Floor Space: 20" x  
35" x 46" High

**For Pressure Tank or Open Tank Service**  
**V-Belt Drive** **9 Inch Stroke**  
**3 H. P. Motor Maximum**

## CAPACITY, SPEED, DEPTH WELL AND H. P. REQUIRED

Tank Located at Pump

			Single Acting Cylinder				Double Acting Cylinder				
Diam. Cyl. in.	Gals. per min.	Piston Speed 45 R.P.M.	Max. H.P.Motor Required				Gals. per min.	Max. HP Motor Req'd.			
			1	1½	2	3		1	1½	2	3
1⅜	4.00	Max. Depth	215	385	550	875	7	135	250	375	600
2¼	6.50	Wells to	90	190	290	500	10.5	50	125	200	375
2¾	9.75	Low Water		90	155	290	16		45	100	200
3¼	13.75	Level		28	75	175	23			55	100
3¾	18.25	50 lbs. Tank Pressure			30	100	30				55

For Open Tank Installation add 110 feet to above for Total Head

Regular Suction 3"

Discharge 2"

Special Suction 4"

Discharge 2½"

Piston Rod Coupling, 5/8" Pin x 7/8" Pin

For Wells 25 or More Feet in Depth to Low Water Level

The Myers Self-Oiling Bulldozer Power Head with V-Belt Drive. For Pressure Tank or Open Tank Service. A complete unit mounted on one base. Will run constantly 24 hours a day without attention (oils itself). Expansion Plunger, 1¾ inches, used in upper cylinder.

For complete description of Pumps see Pages 114 to 117.

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Fig. 2628

### FOR PRESSURE TANK SERVICE

No. V2958AM,	Self-Oiling Power Head, including 1 H. P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, (With Double Belt). Wt. 607 Lbs. ....	KEGIB	\$188.00
No. V2958AMS,	Same as No. V2958AM, with 4 ft. Anti-Freezing Set Length. Wt. 605 Lbs. ....	KEGUC	199.00
No. V2959AM,	Same as No. V2958AM, with 4" Suct. and 2½" Disc. Wt. 616 Lbs. ....	KEHBO	195.00
No. V1958AM,	Same as No. V2958AM, Without Motor. Wt. 453 Lbs. ....	KEHJY	129.50
No. V1959AM,	Same as No. V2959AM, Without Motor. Wt. 463 Lbs. ....	KESPA	136.50

### FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR PUMP)

No. V2958M,	Self-Oiling Power Head, including 1 H. P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, (With Double Belt). Wt. 603 Lbs. ....	LEBAY	183.00
No. V2958MS,	Same as No. V2958M, with 4 ft. Anti-Freezing Set Length. Wt. 601 Lbs. ....	LEBCU	194.00
No. V2959M,	Same as No. V2958M, with 4" Suction and 2½" Disc. Wt. 612 Lbs. ....	LEBFO	190.00
No. V1958M,	Same as No. V2958M, Without Motor. Wt. 449 Lbs. ....	LEBKE	124.50
No. V1959M,	Same as No. V2959M, Without Motor. Wt. 463 Lbs. ....	LEHUD	131.50

1 H.P. and larger 50 cycle motors same price as 60 cycle. KOFOZ

The Following Prices DO NOT Apply to Pumps Listed Above WITHOUT Motors

If with 1½ H. P., A. C. Motor as above, add to above price. Wt. 674 Lbs. ....	KOGAB	18.00
If with 2 H. P., A. C. Motor as above, add to above price. Wt. 687 Lbs. ....	KOGET	42.00
If with 3 H. P., A. C. Motor as above (With Triple Belt), add to above price. Wt. 715 Lbs. ....	KOGIL	74.00
If with 3 H. P., 3 Phase, Automatic Start Motor, (With Triple Belt), add to above price. Wt. 689 Lbs. ....	KOGNA	58.00

If Frequency, Voltage or Phase, are other than specified above, there will be an extra charge.

Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

Furnished with Stuffing Box instead of Plunger Tube if specified on order, KEYNY, use both Code Words.

REPAIRS: See Pages 22, 136-138, 156-161 and 183 to 186, No. R40 Repair Catalog





# MYERS SELF-OILING DEEP WELL POWER PUMP

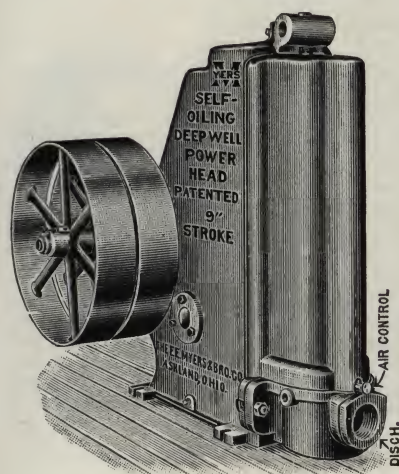
*Perfect and Continuous Lubrication*

PATENTED

For Pressure Tank or Open Tank Service

Flat Belt Drive 9 Inch Stroke

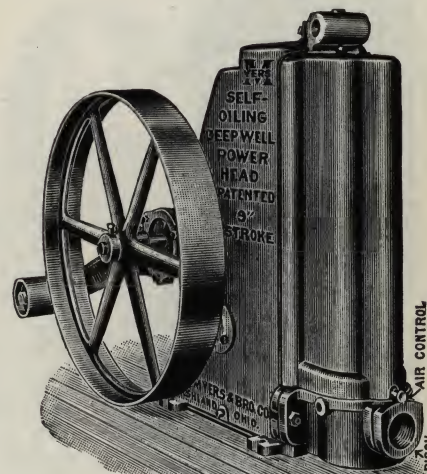
Fig. 2532



4 H. P. Maximum

Piston Rod Coupling  
5/8" x 7/8" Pin

Fig. 2533



Floor Space: 21 x 28". Height 32"

Floor Space: 18 x 33". Height 32"

Regular Suction 3"

Discharge 2"

Special Suction 4"

Discharge 2 1/2"

For Wells 25 or More Feet in Depth to Low Water Level

The Myers Self-Oiling Bulldozer Power Head for Pressure Tank or Open Tank Service.  
Expansion Punger 1 3/4 inches, used in upper cylinder.

For complete description of Pumps see Pages 114 to 117.

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Figs. 2532 and 2533

### FOR PRESSURE TANK SERVICE

		Price
No. 958A,	Self-Oiling Power Head, 16 x 3 inch Tight and Loose Pulleys. Fig. 2532. Weight 407 Lbs. ....	KASNA \$110.50
No. 958AS,	Same as No. 958A, with 4 foot Anti-Freezing Set Length. Weight 454 Lbs. ....	KASTO 121.50
No. 958AM,	FOR MOTOR DRIVE, has 24 x 3 inch Pulley and Belt Tightener. Fig. 2533. Weight 445 Lbs. ...	KASOY 121.50
No. 958AMS,	FOR MOTOR DRIVE, same as No. 958AM, with 4 foot Anti-Freezing Set Length. Wt. 440 Lbs. ...	KASUM 132.50
No. 959AM,	Same as No. 958AM, fitted for 4" Suction and 2 1/2" Discharge. Weight 445 Lbs. ....	KEBHI 128.50
No. 959AMS,	Same as No. 958AMS, except fitted for 4" Suction and 2 1/2" Discharge. Weight 477 Lbs. ....	KETDY 139.50

### FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR PUMP)

No. 958,	Self-Oiling Power Head, with 16 x 3 inch Tight and Loose Pulleys. Fig. 2532. Weight 400 Lbs. ...	LAMNI 105.50
No. 958S,	Same as No. 958, with 4 ft. Anti-Freezing Set Length. Weight 447 Lbs. ....	LAMRA 116.50
No. 958M,	FOR MOTOR DRIVE, same as No. 958, except that it has 24 x 3 inch Pulley and Belt Tightener. Fig. 2533. Weight 443 Lbs. ....	LAMOG 116.50
No. 958MS,	FOR MOTOR DRIVE, same as No. 958M, with 4 foot Anti-Freezing Set Length. Weight 438 Lbs. LAMSY	127.50
No. 959	Same as No. 958, fitted for 4" Suction and 2 1/2" Discharge. Weight 440 Lbs. ....	LIVUT 112.50
No. 959M,	Same as No. 958M, fitted for 4" Suction and 2 1/2" Discharge. Weight 442 Lbs. ....	LAYEP 123.50
No. 959MS,	Same as No. 958MS, except has 4" Suction and 2 1/2" Discharge. Weight 445 Lbs. ....	LEJGE 134.50
	Extra for Set Length over 4 ft., Per foot. ....	1.25

Furnished with Stuffing Box instead of Plunger Tube if specified on order, KEYNY, use both Code Words

REPAIRS: See Pages 22, 136-138, 156-161 and 183 to 186, No. R40 Repair Catalog





# MYERS SELF-OILING DEEP WELL POWER PUMP

*Perfect and Continuous Lubrication*

Fig. 2639

PATENTED

For Pressure Tank or Open Tank Service

V-Belt Drive

12 Inch Stroke

5. H. P. Motor Maximum

CAPACITY, SPEED, DEPTH WELL AND H. P. REQUIRED

Tank Located at Pump



Floor Space: 24" x 42"  
x 55" High

			Single Acting Cylinder				Double Acting Cylinder				
Diam. Cyl. in.	Gals. per min.	Piston Speed 40 R.P.M.	Max H. P. Motor Required				Gals. per min.	Max. HP Motor Req'd			
			1½	2	3	5		1½	2	3	5
2¼	7.75	Max. Depth	140	225	400	740	12	100	175	300	600
2¾	11.50	Wells to	55	115	230	465	19		65	150	340
3¼	16.25	Low Water		50	130	295	27			75	200
3¾	21.50	Level			65	190	36			30	125
4¾	34.75	50 Lbs.				75	58				35
5¼	51.00	Tank									
		Pressure				18					

For Open Tank Installation add 110 feet to above for Total Head

Regular Suction 4"

Special Suction 5½" or 6"

Discharge 3"

Rod Coupling, 7/8" Pin

For Wells 25 or More Feet in Depth to Low Water Level

The Myers Self-Oiling Bulldozer Power Head with V-Belt Drive. For Pressure Tank or Open Tank Service. A complete unit mounted on one base. Will run constantly 24 hours a day without attention (oils itself).

Expansion Plunger, 2½ inches, used in upper cylinder.

For complete description of Pumps see Pages 114 to 117.

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Fig. 2639

### FOR PRESSURE TANK SERVICE

No.	Description	Price
No. V2960AM,	Self-Oiling Power Head, including 1½ H. P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor and Double Belt. Wt. 1065 Lbs. ....	KELAM \$262.50
No. V2960AMS,	Same as No. V2960AM, with 4 ft. Anti-Freezing Set Length. Wt. 1078 Lbs. ....	KELGA 276.00
No. V2962AM,	Same as No. V2960AM, except fitted for 5½" I. D. Casing or 6" Pipe for Suction. (State which is wanted). Wt. 1080 Lbs. ....	KELHY 271.50
No. V1960AM,	Same as No. V2960AM, Without Motor. Wt. 676 Lbs. ....	KELIW 182.50
No. V1962AM,	Same as No. V2962AM, Without Motor. Wt. 780 Lbs. ....	KETEW 191.50

### FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR PUMP)

No. V2960M,	Self-Oiling Power Head, including 1½ H. P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor and Double Belt. Wt. 1060 Lbs. ....	LEDIG 256.50
No. V2960MS,	Same as No. V2960M, with 4 foot Anti-Freezing Set Length. Wt. 1070 Lbs. ....	LEDJE 270.00
No. V2962M,	Same as No. V2960M, except fitted for 5½" I. D. Casing or 6" Pipe for Suction (State which is wanted.) Wt. 1074 Lbs. ....	LEDLA 265.50
No. V1960M,	Same as No. V2960M, Without Motor. Wt. 670 Lbs. ....	LEDMY 176.50
No. V1962M,	Same as No. V2962M, Without Motor. Wt. 774 Lbs. ....	LEJLU 185.50

The Following Prices DO NOT Apply To Pumps Listed Above WITHOUT Motors.

If with 2 H. P., A. C. Motor as above, add to above price. Wt. 1079 Lbs. ....	KOHLE 24.00
If with 3 H. P., 1 Phase, A. C. Motor, (3 Belts), add to above price. Wt. 1106 Lbs. ....	KOHUL 57.00
If with 3 H. P., 3 Phase, Automatic Start Motor, (3 Belts), add to above price. Wt. 1080 Lbs. ....	KOJAY 41.00
If with 5 H. P., 1 Phase, A. C. Motor, (with Four Belts), add to above price. Wt. 1200 Lbs. ....	KOJFO 135.00
If with 5 H. P., 3 Phase, Automatic Start Motor, (with Four Belts), add to above price. Wt. 1155 Lbs. ....	KOJMA 95.00

If Frequency, Voltage or Phase are other than specified above, there will be an extra charge.

Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

Furnished with Stuffing Box instead of Plunger Tube if specified on order, KEYNY, use both Code Words.

REPAIRS: See Pages 22, 136-138, 162-168 and 183 to 186, No. R40 Repair Catalog



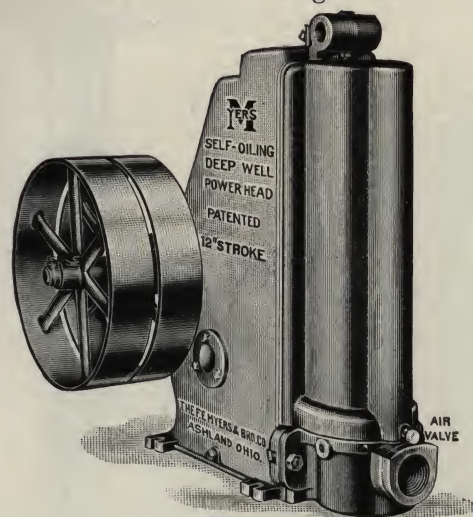


# MYERS SELF-OILING DEEP WELL POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

Fig. 2534



For Pressure Tank  
or Open Tank Service

12 Inch Stroke  
Flat Belt Drive

6 H. P. Maximum

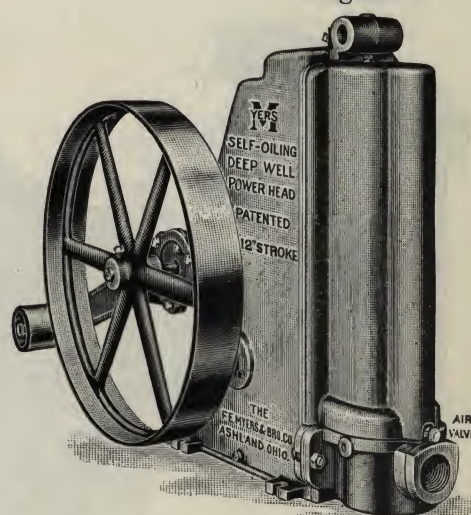
Rod Coupling,  $\frac{7}{8}$ " Pin

Floor Space: 27" x 37" x 38" High

Regular Suction 4"

Special Suction  $5\frac{5}{8}$ " or 6"

Fig. 2535



Floor Space: 23" x 42" x 38" High

Discharge 3"

For Wells 25 or More Feet in Depth to Low Water Level

The Myers Self-Oiling Bulldozer Power Head for Pressure or Open Tank Service.  
Expansion Plunger,  $2\frac{1}{2}$  inches, used in upper cylinder.

For complete description of Pumps see Pages 114 to 117.

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Figs. 2534 and 2535

### FOR PRESSURE TANK SERVICE

		Price
No. 960A,	Self-Oiling Power Head, Fig. 2534, 20 x 4 in. Tight and Loose Pulleys. Wt. 647 Lbs. ....	KAVAY \$ 157.50
No. 960AS,	Same as No. 960A, with 4 ft. Anti-Freezing Set Length. Wt. 655 Lbs. ....	KAVKE 171.00
No. 960AM,	FOR MOTOR DRIVE, same as No. 960A, with 30 x 4 inch Pulley and Belt Tightener. Fig. 2535. Wt. 758 Lbs. ....	KAVFO 171.50
No. 960AMS,	Same as No. 960AM with 4 ft. Anti-Freezing Set Length. Wt. 710 Lbs. ....	KAVMA 185.00
No. 962AM,	Same as No. 960AM, except fitted for $5\frac{5}{8}$ " I. D. Casing or 6" Pipe for Suction. (State which is wanted). Wt. 747 Lbs. ....	KEBOT 180.50

### FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR PUMP)

No. 960,	Self-Oiling Power Head, with 20 x 4 inch Tight and Loose Pulleys. Fig. 2534. Wt. 645 Lbs. ....	LAPAG 151.50
No. 960S,	Same as No. 960, with 4 ft. Anti-Freezing Set Length. Wt. 648 Lbs. ....	LAPDA 165.00
No. 960M,	Self-Oiling Power Head, with 30 x 4 inch Pulley and Belt Tightener. Fig. 2535. Wt. 689 Lbs. ....	LAPEY 165.50
No. 960MS,	Same as No. 960M, with 4 ft. Anti-Freezing Set Length. Wt. 705 Lbs. ....	LAPGU 179.00
No. 962,	Same as No. 960, except fitted for $5\frac{5}{8}$ " I. D. Casing or 6" Pipe for Suction (State which is wanted). Wt. 700 Lbs. ....	LAPBE 160.50
No. 962M,	Same as No. 960M, except fitted for $5\frac{5}{8}$ " I. D. Casing or 6" Pipe for Suction (State which is wanted). Wt. 743 Lbs. ....	LAPJO 174.50

Furnished with Stuffing Box instead of Plunger Tube if specified on order, KEYNY, use both Code Words.

REPAIRS: See Pages 22, 136-138, 162-168 and 183 to 186, No. R40 Repair Catalog





# MYERS SELF-OILING DEEP WELL POWER PUMP

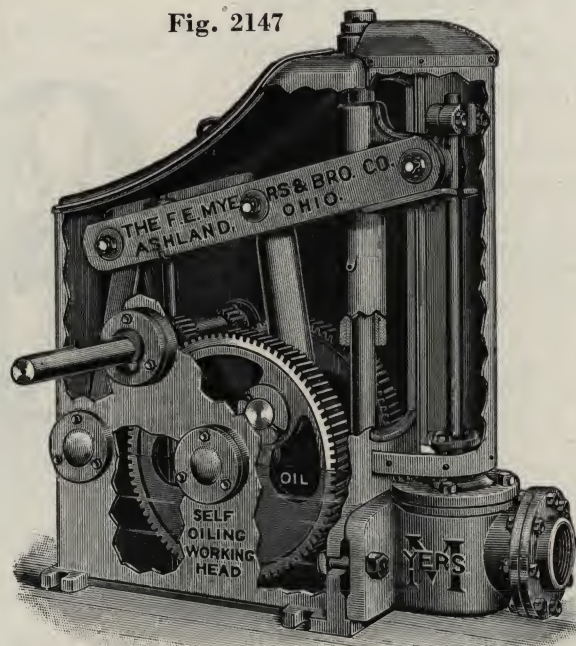
*Perfect and Continuous Lubrication*

PATENTED

Fig. 2370



Fig. 2147



Back Geared 7 to 1

This Head is also adapted for operating a Double Acting Cylinder.

Fig. 2461



## THE SMOOTHEST RUNNING PIECE OF PUMPING MACHINERY ON THE MARKET

**T**HE Myers Self-Oiling Bulldozer Power Head, with 18 and 24 inch stroke, will run continuously 24 hours a day without attention (oils itself). It is designed to meet the needs of Railroads, Manufacturing Plants, Mines, Village Water Works, Apartment Houses, Hotels, etc., where water is required from deep wells. The Head is constructed on the Walking Beam principle.

All working parts are fully enclosed and run in oil. The main frame, which carries all the bearings, forms the oil reservoir. This casting is completely machined at one setting for all bearings, insuring alignment of working parts. From this reservoir, the oil is distributed to all moving parts.

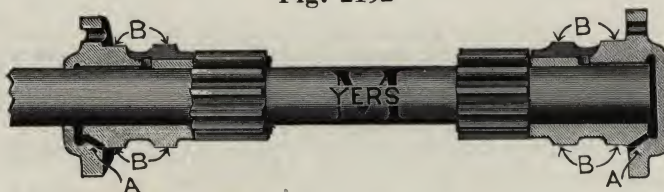
The Crosshead Sleeve is extra heavy, bored and broached.

On down stroke it dips into oil, carrying the oil up the Post to the top of Crosshead where it overflows to oil the end bearing. The Upper Bearings are oiled by separate oil pump, with special oil pan, (See Fig. 2370) which delivers oil at all four points on each stroke of the Pump.

Bearing shafts are high grade machinery steel. Bearings and workings parts are removable. Gears and pinions are machine cut. The Pinions and Shafts are cut integral from a solid steel shaft.

The Pipe Head, carrying the Packing Gland, is supported on a flanged projection on Pump Head, is accurately machined and held with heavy bolts, insuring perfect alignment. Piston Rod is recessed and clamped solid to Crosshead. Plunger can be withdrawn without disturbing Suction or Discharge Pipe.

Fig. 2192



**F**IG. 2192 shows a sectional view of the Bearings and illustrates the Oil Passage "A," through which the oil passes around the ends of the Shaft, washing out any sediment that will naturally accumulate at the dead end of the shaft. Self-Cleaning. This insures Thorough and Complete Lubrication at this point—a vital feature. Note the extra length of the Shaft Bearings that come in contact with the sides of Pinions, hold-

ing them in position; also the Bearings "B" that fit snugly into the main frame and are held by heavy cap screws. Any Bearing can be removed and replaced in five minutes.

Plain Cast Iron Bearings in connection with a Steel Shaft, when perfectly lubricated, will outwear any other kind of a bearing. These features apply to all Myers Self-Oiling Bulldozer Power Pumps and Working Heads.





# THE MYERS SELF-OILING DEEP WELL POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

For Pressure Tank or Open Tank Service

18 and 24 Inch Stroke

10 H. P. Maximum

Engine or Motor Drive

Fig. 2708

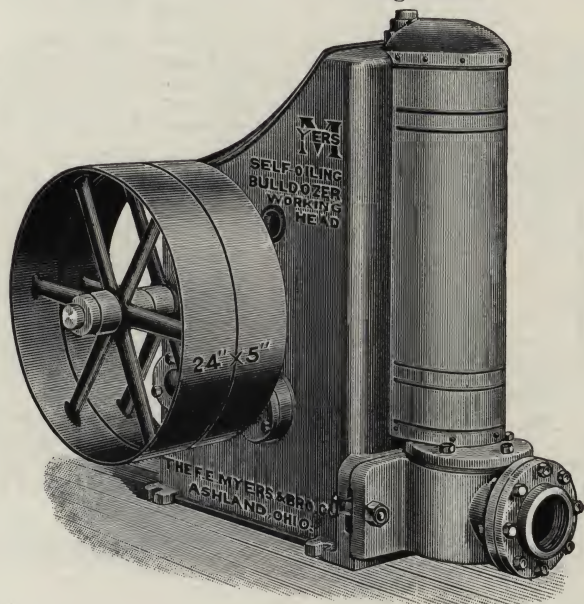
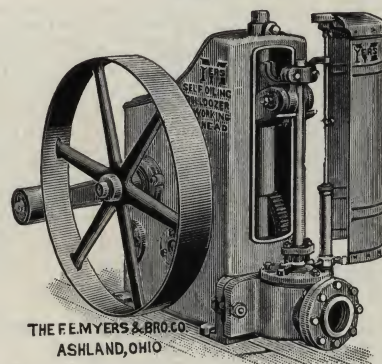


Fig. 2745



## FLOOR SPACE

No. 664M, 49" x 27" x 44" High

No. 671M, 61" x 33" x 52" High

## FLOOR SPACE

No. 664, 43" x 33" x 44" High. No. 671, 52" x 39" x 52" High.

## PISTON ROD

No. 664, 1 1/4" Threaded 1 1/8" Pin

No. 671, 1 3/4" Threaded 1 1/2" Pin

For Wells 25 or More Feet in Depth to Low Water Level

For complete description of Pumps see Page 132.

Air Conditioning Information, see Page 152.

## PRICE LIST, Represented by Figs. 2708 and 2745

### FOR PRESSURE TANK SERVICE

18 INCH STROKE HEAD. Suction 6". Discharge 4". Max. Speed 28 Strokes

		Price
No. 664A,	Self-Oiling Power Head, 24 x 5 inch Tight and Loose Pulleys. Fig. 2708. Wt. 1371 Lbs. ....	LEFUF \$ 362.00
No. 664AS,	Same as No. 664A, with 4 foot Anti-Freezing Set Length. Wt. 1465 Lbs. ....	LEGAT 383.00
No. 664AM,	Self-Oiling Power Head, Motor Drive, with 36 x 5 inch Tight Pulley and Belt Tightener. Fig. 2745. Wt. 1505 Lbs. ....	LEGEL 383.00
No. 664AMS,	Same as No. 664AM, with 4 ft. Anti-Freezing Set Length. Wt. 1554 Lbs. ....	LEGID 404.00

### FOR OPEN TANK SERVICE, SAME AS ABOVE (WITHOUT AIR PUMP)

No. 664,	Self-Oiling Power Head, 24 x 5 inch Tight and Loose Pulleys. Fig. 2708. Wt. 1367 Lbs. ....	LASEV 355.00
No. 664S,	Same as No. 664, with 4 ft. Anti-Freezing Set Length. Wt. 1465 Lbs. ....	LASIN 376.00
No. 664M,	Self-Oiling Power Head, Motor Drive, 36x5 inch Pulley and Belt Tightener, Fig. 2745. Wt. 1490 Lbs. ....	LASPY 376.00
No. 664MS,	Same as No. 664M, with 4 ft. Anti-Freezing Set Length. Wt. 1548 Lbs. ....	LASRU 397.00
	When fitted with 3 inch Differential Piston, add to Price. ....	21.00

24 INCH STROKE HEAD. Suction 8". Discharge 6". Max. Speed 22 Strokes

No. 671,	Self-Oiling Power Head, with 30 x 6 inch Tight and Loose Pulleys. Fig. 2708. Wt. 2065 Lbs. ....	LATBA 510.00
No. 671M,	Self-Oiling Power Head, Motor Drive, with 48 x 6 inch Pulley and Belt Tightener, Fig. 2745. Wt. 2249 Lbs. ....	LATHO 550.00
	When fitted with 3 3/4 inch Differential Plunger, add to Price ....	31.50

REPAIRS: See Pages 169-174, No. R40 Repair Catalog

PUMP  
JACKS  
EJECTOR  
PUMPS  
CENTRI-  
FUGALS  
ACCESS-  
ORIES  
HAND  
SPRAY  
POWER  
SPRAY  
SPRAY  
ACCESS.  
WASHERS  
POWER  
TOOLS  
HAY  
TORN L.  
ENG.  
DATA  
INDEX

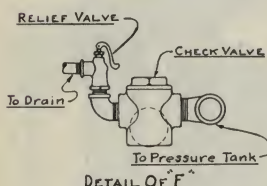




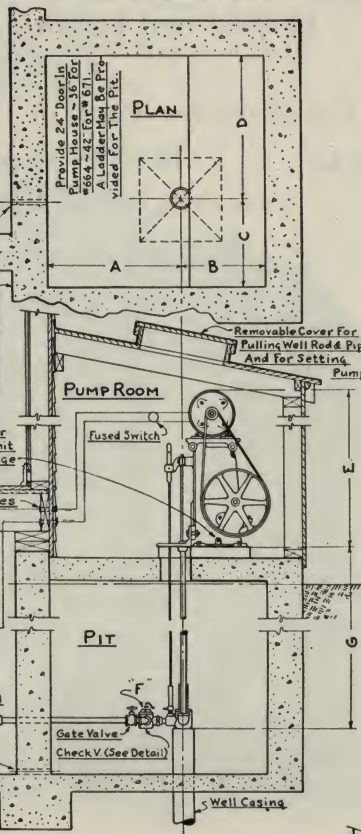
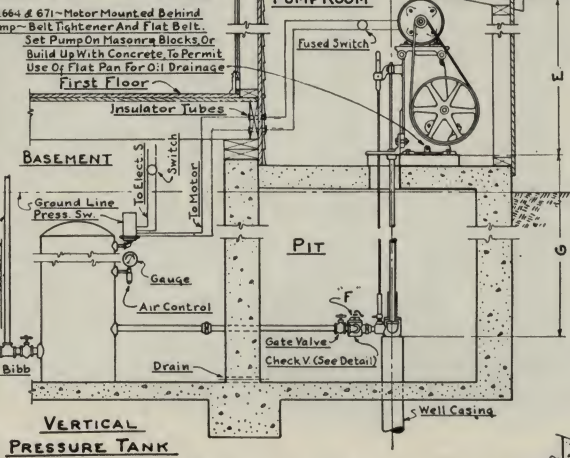
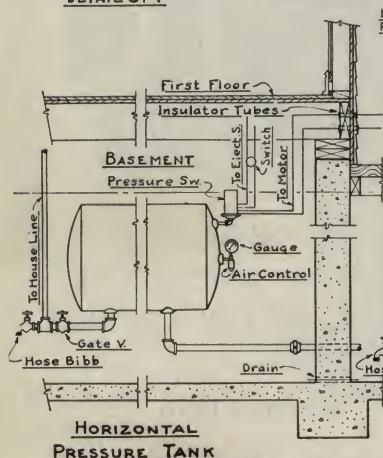
# TYPICAL INSTALLATIONS

## MYERS SELF-OILING DEEP WELL PUMPS

WITH SET LENGTH IN PIT JUST OUTSIDE BASEMENT



Pump No.	A	B	C	D	E	G
950	2'-0"	2'-6"	2'-0"	3'-0"	32"	48"
958	2'-6"	3'-0"	2'-6"	3'-6"	44"	48"
960	3'-0"	3'-6"	2'-9"	4'-3"	53"	48"
664	4'-0"	6'-6"	4'-0"	5'-0"	45"	48"
671	6'-0"	7'-6"	5'-0"	6'-0"	52"	None



Pump room should be weather proof but does not need to be frost proof. Good ventilation should be provided to prevent motor from overheating in warm weather and to prevent excessive moisture from damaging motor.

Provide some effective means of draining floor of pit.

Extend well casing above floor line of pit to prevent surface water and dirt from getting into well. Sides and floor of pit should be waterproofed.

Raise vertical tank off floor on masonry blocks to provide ventilation and retard corrosion.

Set pump on concrete base or masonry blocks several inches higher than floor level to permit draining oil from pump into shallow container.

Attach pipe to relief valve to carry water away if relief valve opens.

Provide cut out switch so current can be cut off when necessary to work on pump, motor, pressure switch or other part of system.

Run separate circuit from meter to pump motor.

## MYERS SELF-OILING DEEP WELL PUMPS IN PUMP ROOM ADJOINING BASEMENT

Provide air circulation (high and low air duct) to assist in keeping pump room or pit free from moisture.

Raise vertical tank off floor on masonry blocks to provide ventilation underneath and retard corrosion.

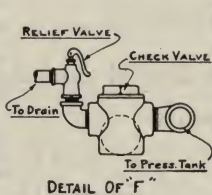
Set pump on concrete base or masonry blocks several inches higher than floor level to permit draining of oil from pump into shallow container.

Provide some effective means of draining pump room floor.

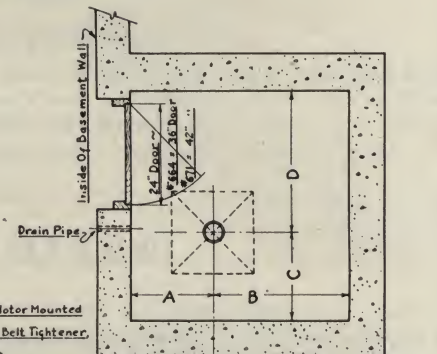
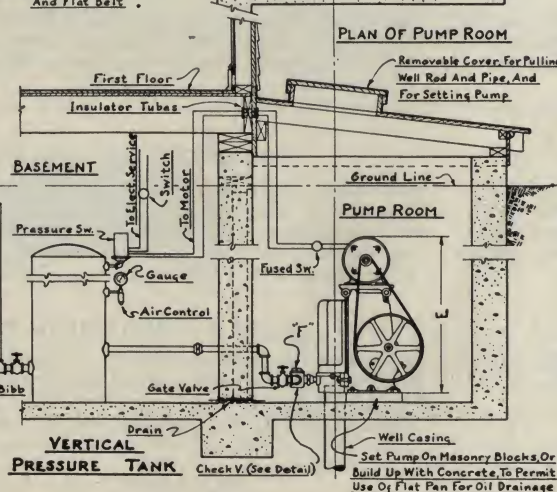
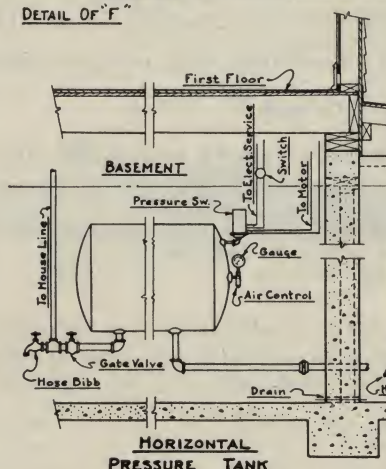
Extend well casing above floor line or provide some other means to prevent surface water and dirt from getting into well.

Provide cut out switch so current can be cut off when necessary to work on pump, motor, pressure switch or other part of system.

Run separate circuit from meter to pump motor.



Pump No.	A	B	C	D	E
950	2'-0"	3'-0"	2'-0"	3'-0"	32"
958	2'-6"	3'-6"	2'-6"	3'-6"	44"
960	3'-0"	4'-0"	2'-9"	4'-3"	53"
664	4'-0"	7'-0"	4'-0"	5'-0"	45"
671	6'-0"	8'-0"	5'-0"	6'-0"	52"

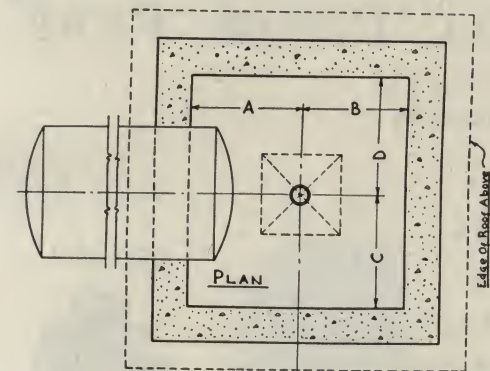






# TYPICAL INSTALLATIONS

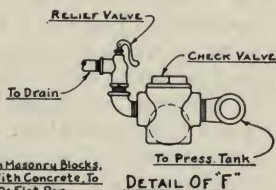
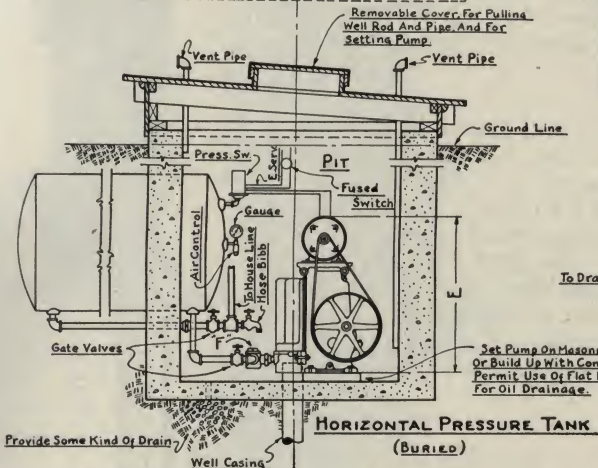
## MYERS SELF-OILING DEEP WELL PUMPS IN ISOLATED PIT



MINIMUM DIMENSIONS OF PIT—

Pump No.	A	B	C	D	E
950	4'-0"	3'-0"	2'-0"	3'-0"	32"
958	4'-6"	3'-6"	2'-6"	3'-6"	44"
960	5'-0"	4'-0"	2'-5"	4'-3"	53"
664	6'-0"	7'-0"	4'-0"	5'-0"	45"
671	8'-0"	8'-0"	5'-0"	6'-0"	52"

No. 664 & 671—Motor Mounted Behind Pump—Belt Tightener, And Flat Belt



Pump room must be frost proof if freezing temperatures occur. Sides and floor of pit should be water proofed.

Provide some effective means of draining pit floor.

Provide air circulation (high and low air duct) to assist in keeping pump room or pit free from moisture.

Extend well casing above floor line or provide some other means to prevent surface water and dirt from getting into the well.

Set pump on concrete base or masonry blocks several inches higher than floor level to permit draining of oil from pump into shallow container.

Top of tank must be below frost line. Tank should be liberally coated with good preservative paint.

Air control should be located  $\frac{1}{2}$  of distance up from bottom of tank, regardless of size of tank or whether vertical or horizontal.

Provide cut out switch so current can be cut off when necessary to work on pump, motor, pressure switch or other part of system.

Run separate circuit from meter to pump motor.

## MYERS SELF-OILING DEEP WELL PUMPS

### OPEN TANK IN ATTIC—PUMP HOUSE OUTSIDE

Pump room must be frost proof if freezing temperatures occur. Good ventilation should be provided to prevent motor from overheating in warm weather and to prevent excessive moisture from damaging motor.

Provide some effective means of draining pump room floor.

Extend well casing above floor line or provide some other means to prevent surface water from flowing into the well.

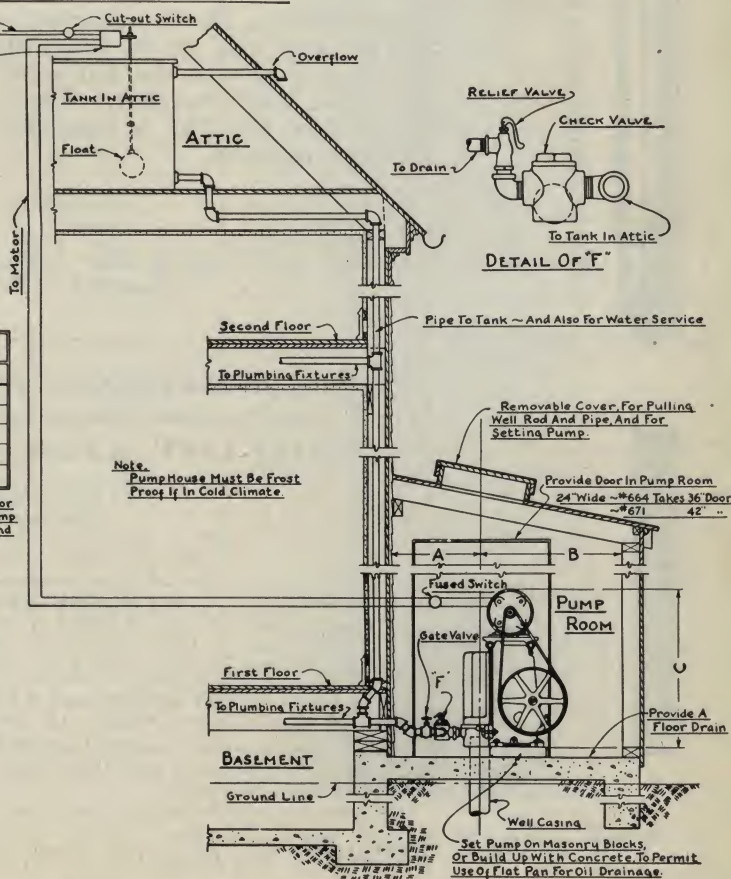
Set pump on concrete base or masonry blocks several inches higher than floor level to permit draining oil from pump into shallow container.

Provide cut out switch so current can be cut off when necessary to work on pump, motor, float switch or other part of system.

Run separate circuit from meter to pump motor.

Pump No.	A	B	C	Width of Pump Room
950	2'-0"	3'-0"	32"	5'-0"
958	2'-6"	3'-6"	44"	6'-0"
960	3'-0"	4'-0"	53"	7'-0"
664	4'-0"	7'-0"	45"	9'-0"
671	6'-0"	8'-0"	52"	11'-0"

No. 664 & 671—Motor Mounted Behind Pump—Belt Tightener, And Flat Belt.



Note. Pump House Must Be Frost Proof If In Cold Climate.





# MYERS SELF-OILING DEEP WELL POWER PUMP

*Perfect and Continuous Lubrication*

PATENTED

With Anti-Freezing Set Length

Fig. 3233



Fig. 3234



**FIGS. 3233 and 3234** illustrate the Myers Self-Oiling Deep Well Power Head as furnished with 4 foot Anti-Freezing Set Length which places the Discharge Pipe below the frost line, for use outside of buildings or wherever there is a liability of trouble from frost.

Eliminates placing the Pump Head and Motor in the well (to prevent freezing) which is bad practice, as dampness will ruin the Motor. Furthermore, nothing can be more unhandy. This trouble is all eliminated by using a Myers Deep Well Power Head with an **Anti-Freezing Set Length**, which not only places the Discharge *below* the frost line, but *adds* an *Air Chamber*, as the two extension pipes are utilized for this purpose to improve the operation of the Pump. All the protection that is necessary is an ordinary rough building to protect the motor from rain or snow. See Fig. 3232 on page 117.

On Working Heads equipped with an Anti-Freezing Set Length, the air is controlled by the use of the pin that connects the flat part of the piston rod to the Cross Head Bracket. When connected, it pumps air. When the Pin is removed, the Air Compressor does not operate.

*Furnished with Stuffing Box Instead of Plunger Tube if Specified on Order.*

## THE ANTI-FREEZING SET LENGTH

When Furnished Separate from the Pump

### PRICE LIST, 4 Foot Set Length

	Wt.	For Pressure Tank Service		Wt.	For Open Tank Service	
		Code	Price		Code	Price
Complete for 6" Stroke Head ..	40	KAGRE	\$16.75	33	LAHKU	\$10.75
Complete for 9" Stroke Head ..	65	KAGTA	25.00	55	LAHOL	18.00
Complete for 12" Stroke Head ..	120	KAGUY	39.50	108	LAHUZ	28.50
Complete for 18" Stroke Head ..	252	KAHAM	66.50	240	LAJAM	52.50

Extra for Set Length over 4 feet, Per Foot

6" Stroke Head \$0.75. 9" Stroke \$1.25. 12" Stroke \$1.50. 18" Stroke \$2.50.

Piston Rod Guides furnished on all Nos. 950-1950-2950 Series Set Lengths when ordered for use with Double Acting Working Barrel and with all Nos. 950-1950-2950 Series Set Lengths over 4 feet—Extra per Guide ..... \$1.50  
(Guides not available for other than Nos. 950-1950-2950 Series)

**REPAIRS:** See Pages 144 to 174, No. R40 Repair Catalog





# MYERS SELF-OILING DEEP WELL POWER PUMPS

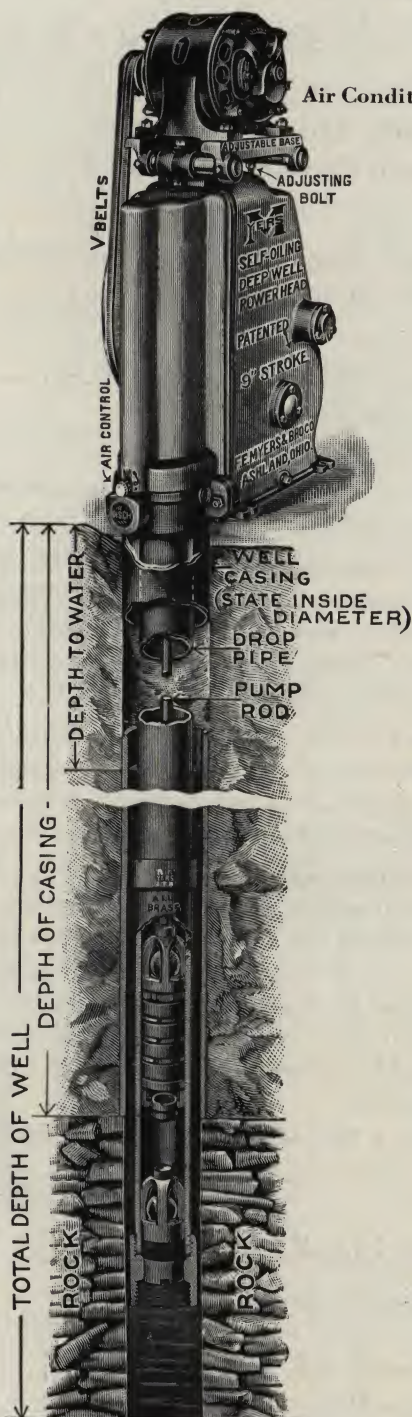
*Perfect and Continuous Lubrication*

PATENTED

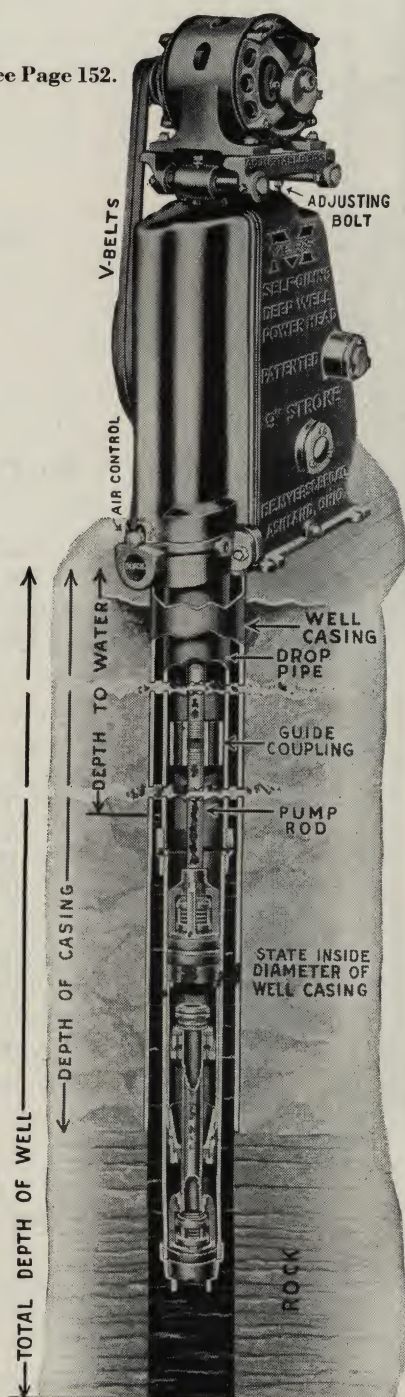
Fig. 2674

As Installed In Wells

Fig. 2695



Air Conditioning Information, see Page 152.



With Single Acting Working Barrel

With Double Acting Working Barrel





# MYERS HERCULES DEEP WELL POWER PUMP

1½ H. P. Maximum

Fig. 2125

4 Foot Set Length Anti-Freezing

Machine Cut Gear Back Geared 6 to 1

6 and 9 Inch Stroke for Power  
6, 8 and 10 Inch Stroke for Hand Use

Flanged Head and Base Drilled and Bolted  
with Heavy Bolts

*For Complete Description of Three-Way Pump,  
See Page 21*

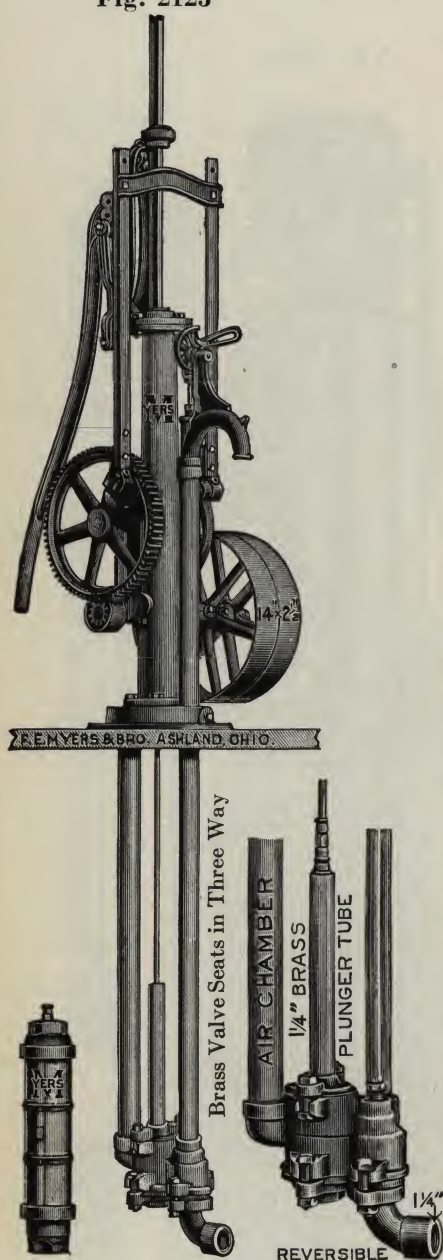
The Pump Stand can be removed for convenient installation.

FIG. 2125 illustrates the Hercules Anti-Freezing Power Head made up of No. 1239 Hercules Underground Three-Way Force Pump and the Faultless Jack. The combination makes a most substantial frost-proof head. The Hercules Three-Way Pump Standard has four special lugs cast on the sides, which engage the hooks provided on the Jack.

NOTE—One special feature of this outfit is that the part forming the jack can be removed from the base of the pump, thus making it easy to handle in placing in the well. In fact, it is just as easy to install this Working Head as it is to set an ordinary underground Three-Way Pump.

The main pump stand is fitted with a flanged head, machined and bolted to the base of the pump and to the pump head proper. A 3 inch plunger can be withdrawn through the pump base. The lower section of the Pump is held together by bolted flanges. The Three-Way Elbow swings in a complete circle and is tapped for 1¼ inch pipe. 1½ inch elbow furnished when specified. Is furnished with flange union at bottom, tapped for 2, 2½ or 3 inch pipe. State which is wanted. Always fitted with 1¼ inch flange unless other size is specified.

Steel Coupling, ½" x ⅜" and ⅞" Rod x ⅜" Pipe.



## PRICE LIST, Represented by Fig. 2125

No. 399, Myers Hercules Anti-Freezing Power Head with machine cut gear and 14 x 2½ inch pulleys, as shown in Fig. 2125. Wt. 212 Lbs. ....	LAWPU	\$36.00
For Shield over Gear and Pinion, like Fig. 2277, page 149, add to Price .....		1.75

Cylinder Not Included in Above Price

REPAIRS: See Pages 61 to 63 and 178 to 180, No. R40 Repair Catalog





# INSTALLATION MEASUREMENTS OF DEEP WELL PUMPS

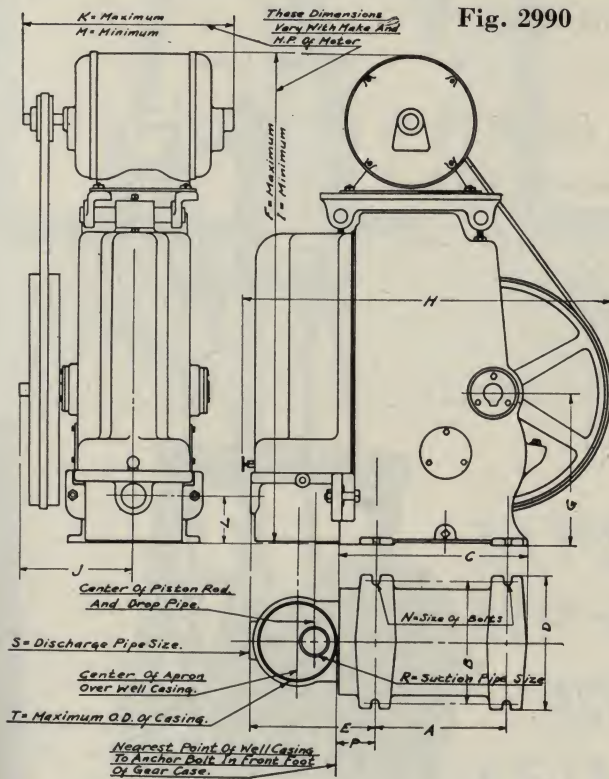


Fig. 2990

Pump No.	Stroke	A	B	C	D	E	F	G
V2950AM	6"	8 $\frac{5}{8}$	7 $\frac{7}{8}$	12 $\frac{9}{16}$	8 $\frac{3}{4}$	8 $\frac{3}{16}$	35	10
V2951AM	6"	8 $\frac{5}{8}$	7 $\frac{7}{8}$	12 $\frac{9}{16}$	8 $\frac{3}{4}$	9 $\frac{13}{16}$	35	10
V2958AM	9"	13 $\frac{11}{16}$	10 $\frac{1}{4}$	18 $\frac{9}{16}$	11 $\frac{1}{8}$	10 $\frac{9}{16}$	47	15 $\frac{3}{4}$
V2959AM	9"	13 $\frac{11}{16}$	10 $\frac{1}{4}$	18 $\frac{9}{16}$	11 $\frac{1}{8}$	11 $\frac{7}{8}$	47	15 $\frac{3}{4}$
V2960AM	12"	16 $\frac{1}{2}$	13	21 $\frac{5}{16}$	14	11 $\frac{15}{16}$	56 $\frac{1}{4}$	17 $\frac{5}{16}$
V2962AM	12"	16 $\frac{1}{2}$	13	21 $\frac{5}{16}$	14	14 $\frac{3}{8}$	56 $\frac{1}{4}$	17 $\frac{5}{16}$

Pump No.	H	J	L	N	P	R	S	T
V2950AM	24	9 $\frac{1}{4}$	3 $\frac{3}{16}$	$\frac{1}{2}$	1 $\frac{3}{4}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$	5 $\frac{1}{2}$
V2951AM	25 $\frac{1}{2}$	9 $\frac{1}{4}$	2 $\frac{3}{4}$	$\frac{1}{2}$	1 $\frac{3}{4}$	3	2	6
V2958AM	33	11	2 $\frac{5}{16}$	$\frac{5}{8}$	2 $\frac{1}{2}$	3	2	5 $\frac{9}{16}$
V2959AM	34 $\frac{1}{2}$	11	2 $\frac{5}{16}$	$\frac{5}{8}$	2 $\frac{1}{2}$	4	2 $\frac{1}{2}$	6 $\frac{5}{8}$
V2960AM	43	15 $\frac{1}{2}$	3 $\frac{13}{16}$	$\frac{5}{8}$	2 $\frac{15}{16}$	4	3	6 $\frac{5}{8}$
V2962AM	44 $\frac{1}{2}$	15 $\frac{1}{2}$	3 $\frac{13}{16}$	$\frac{5}{8}$	2 $\frac{15}{16}$	6	3	8 $\frac{5}{8}$

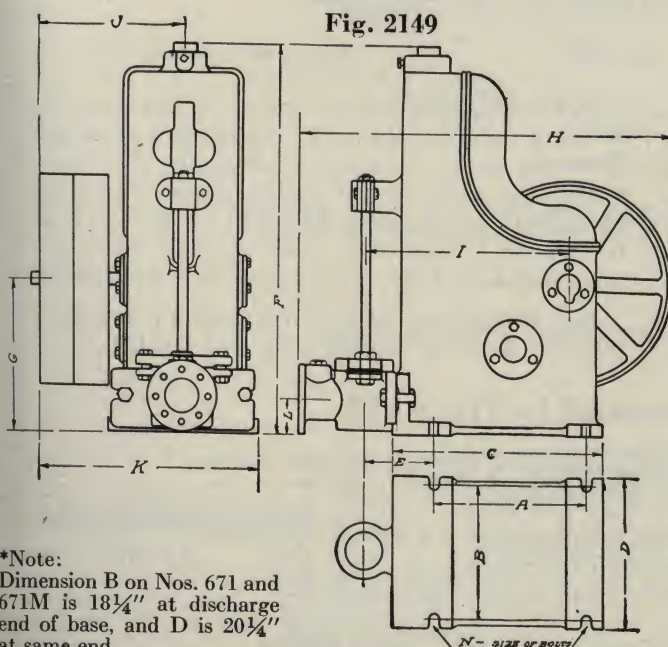


Fig. 2149

\*Note:  
Dimension B on Nos. 671 and 671M is 18 $\frac{1}{4}$ " at discharge end of base, and D is 20 $\frac{1}{4}$ " at same end.

Pump No.	Stroke	A	B	C	D	E	F
664	18"	22	16 $\frac{1}{4}$	28 $\frac{1}{2}$	18	8 $\frac{3}{16}$	44 $\frac{1}{2}$
664M	18"	22	16 $\frac{1}{4}$	28 $\frac{1}{2}$	18	8 $\frac{3}{16}$	44 $\frac{1}{2}$
668 & 669	18"	26	16 $\frac{1}{4}$	32 $\frac{1}{4}$	17 $\frac{1}{2}$	8 $\frac{5}{16}$	62 $\frac{1}{2}$
668M & 669M	18"	26	16 $\frac{1}{4}$	32 $\frac{1}{4}$	17 $\frac{1}{2}$	8 $\frac{5}{16}$	62 $\frac{1}{2}$
671	24"	24 $\frac{3}{4}$	*16 $\frac{1}{2}$	32	*18 $\frac{1}{4}$	9 $\frac{11}{16}$	51 $\frac{1}{2}$
671M	24"	24 $\frac{3}{4}$	*16 $\frac{1}{2}$	32	*18 $\frac{1}{4}$	9 $\frac{11}{16}$	51 $\frac{1}{2}$

Pump No.	G	H	I	J	K	L	N	Pulleys
664	19 $\frac{1}{4}$	41	22	22	31	5 $\frac{1}{4}$	$\frac{3}{4}$	24x5
664M	19 $\frac{1}{4}$	47	22	16 $\frac{1}{2}$	25 $\frac{1}{2}$	5 $\frac{1}{4}$	$\frac{3}{4}$	36x5
668 & 669	27 $\frac{1}{8}$	50	31 $\frac{1}{4}$	24	32 $\frac{3}{4}$	5 $\frac{1}{8}$	$\frac{3}{4}$	24x6
668M & 669M	27 $\frac{1}{8}$	62	31 $\frac{1}{4}$	16 $\frac{3}{4}$	25 $\frac{1}{2}$	5 $\frac{1}{8}$	$\frac{3}{4}$	48x6
671	20 $\frac{3}{4}$	47 $\frac{3}{4}$	24 $\frac{3}{4}$	25 $\frac{1}{2}$	34 $\frac{5}{8}$	5 $\frac{3}{4}$	1	30x6
671M	20 $\frac{3}{4}$	56 $\frac{3}{4}$	24 $\frac{3}{4}$	19	28 $\frac{1}{8}$	5 $\frac{3}{4}$	1	48x6





# THE MYERS BULLDOZER DEEP WELL POWER PUMP

*With Machine Cut Gear*

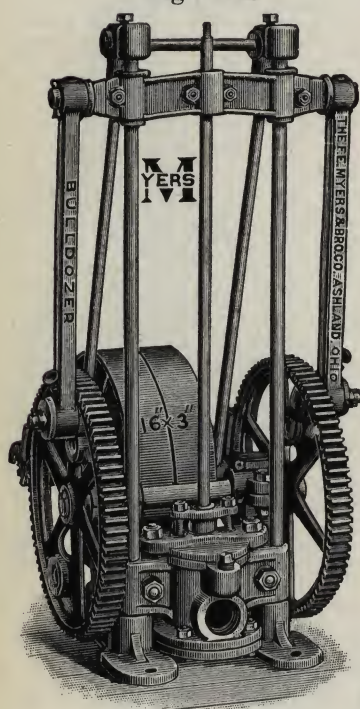
PATENTED

Fig. 1666

Has 10, 12 and 14 Inch Stroke, Back Geared 7 to 1

And 16 and 20 Inch Stroke, Back Geared 7½ to 1

Fig. 2113



Especially Designed for  
Small Size Tubular  
Wells

Suction Pipe 3 Inch  
Flanged

A 4 Inch Suction Pipe  
Can Be Furnished

Discharge Pipe 3 Inch

Top of Piston Rod Is  
Threaded for 5/8" Pin  
for Windmill

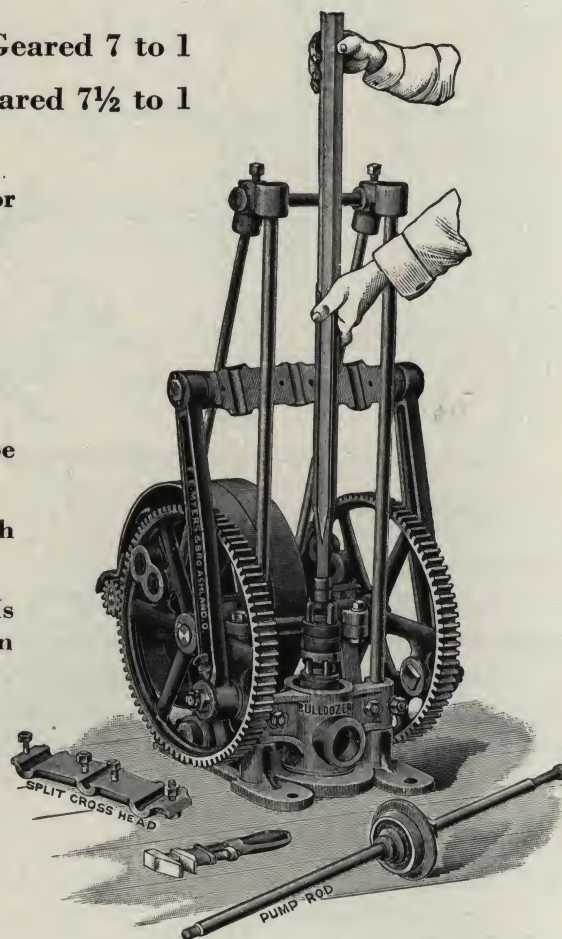
Maximum H. P.

No. 491 5 H. P.

No. 492 3 H. P.

FLOOR SPACE: No. 491, 23 x 27". Height 42"  
No. 492, 23 x 33". Height 54"

FIGS. 2113 and 1666 represent the Myers Bulldozer Power Pump, especially designed for small size tubular wells where a long stroke is required. Its construction insures great lifting power and capacity for the weight of the head. The arrangement is such that the power is applied direct to the piston from the two gear wheels, one located on each side of the main stand. By this construction we do away with side motion and wear and have a direct lift on the upstroke.



Threaded 5/8 Inch Pin

The well pipe is carried direct on the pump head, which is securely bolted to the upright steel guides. Plungers up to 4 inches in diameter can be withdrawn through the top of the pump without even removing the belt. The piston rod is connected direct to the split crosshead, which can be taken off by removing four bolts. Boxes are split and babbitted.

Fig. 1666 shows head dismantled for withdrawing plunger—monkey wrench only tool needed.

## PRICE LIST, Represented by Fig. 2113

No. 491, Myers Bulldozer Power Pump, with 10, 12 and 14 inch stroke, 16 inch x 3 inch tight and loose pulleys, suction flange tapped for 3 or 4 inch pipe, 3 inch furnished regularly (can be bushed to smaller size), discharge 3 inch. Wt. 304 Lbs. ....	LAVBY	Price \$ 77.50
No. 492, Myers Bulldozer Power Head, back geared 7½ to 1, suction flange tapped for 3 or 4 inch pipe, 3 inch furnished regularly, 16 and 20 inch stroke, 16 x 3 inch pulleys. Wt. 388 Lbs. ....	LAVDU	103.00

Maximum Speed: For No. 491, 40 R. P. M. For No. 492, 25 R. P. M.

REPAIRS: See Pages 22 and 127 to 131, No. R40 Repair Catalog



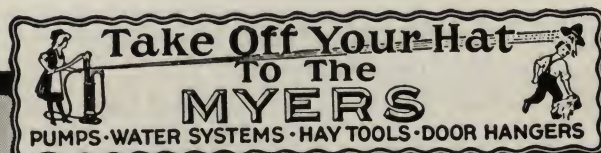
# MYERS

## MYERS PUMP JACKS AND COMBINATION HAND AND POWER HEADS

SELF-LUBRICATING  
AND  
OPEN GEAR TYPES

FOR SHALLOW OR DEEP WELLS

SEE REPAIR CATALOG FOR REPAIRS



PUMP  
JACKS

EJECTO  
PUMPS

CENTRI-  
FUGALS

ACCES-  
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HAND  
SPRAY

POWER  
SPRAY

SPRAY  
ACCESS

POWER  
WASHERS

HAY  
TOOLS

DOOR H-  
ANGERS

ENG.  
DATA

INDEXES

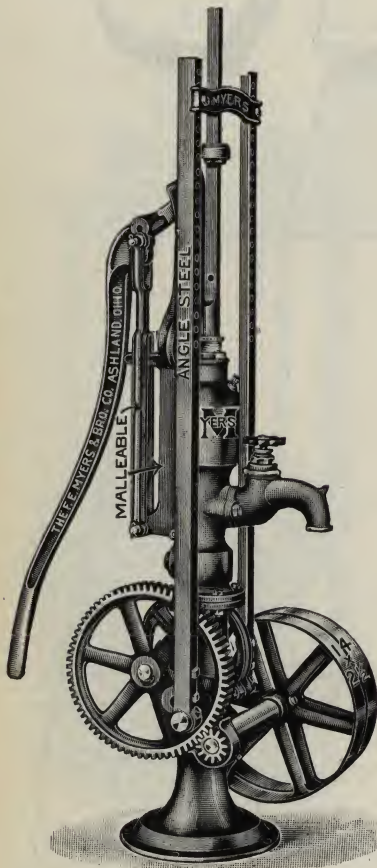




# DEFIANCE AND MYERS DEEP WELL POWER PUMPS

PATENTED

Fig. 2923



Floor Space: 19 x 18 Inches

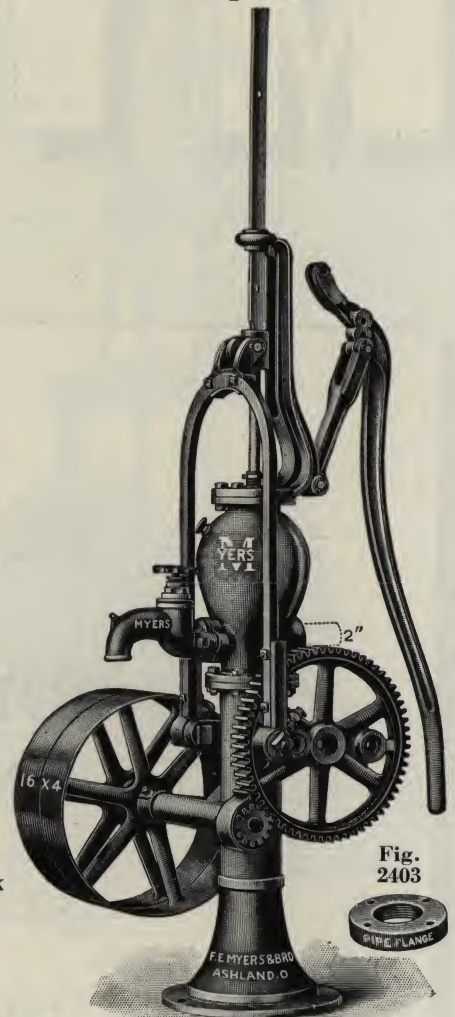
Machine Cut Gears  
and  
Cock Spout

2 H. P. Maximum

Can be Operated by Belt,  
Hand or Wind Power

Steel Pump Rod Coupling,  $\frac{5}{8}$ " x  $\frac{3}{8}$ " x  
 $\frac{7}{16}$ " Rod x  $\frac{3}{8}$ " Pipe

Fig. 1595



Floor Space: 27 x 20 1/2 Inches

For Wells 25 or More Feet in Depth to Low Water Level

Fig. 2923 has Malleable Iron Head and Fulcrum. Back Geared 6 to 1. Has 6 and 9" Stroke.

Fig. 1595 is back geared 5 to 1. Has 5, 7 1/2 and 10" Stroke.

Maximum Speed: 36 revolutions of Plunger.

## PRICE LIST, Represented by Figs. 2923 and 1595

No.	Description	Price
No. 388,	Defiance Power Head, Fig. 2923, tapped for 2" Pipe, 1 1/2" Back Outlet, 14 x 2 1/2" Tight and Loose Pulleys. (The Crosshead is connected to flat rod above the Pump Head). Weight 155 Lbs. ....	LAWER \$35.50
No. 388M,	Same as No. 388 with 24 x 2 1/2" Pulley for Motor Drive. Wt. 173 Lbs. ....	LAWIJ 35.50
No. 357,	Myers Power Head, Fig. 1595, tapped for 3 inch pipe, 16 x 4 inch Tight and Loose Pulleys. Weight 236 Lbs. ....	LAWOW 52.50
No. 357 is made with separate Pipe Flange between Stand and Air Chamber, Fig. 2403.		

REPAIRS: See Pages 22, 131-133, No. R40 Repair Catalog





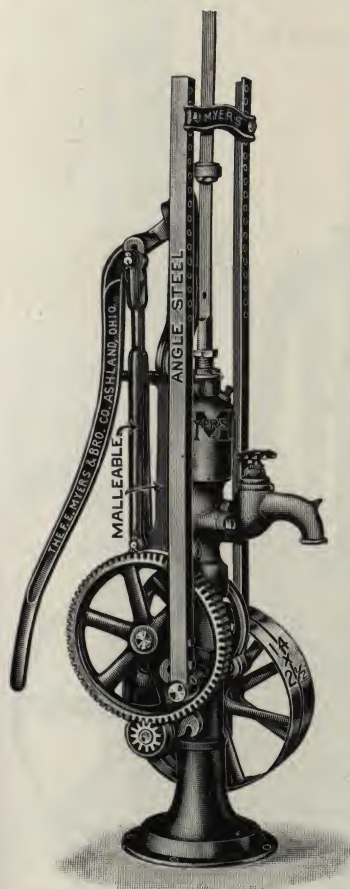
# MYERS FAULTLESS AND DIRECT-LINE DEEP WELL POWER PUMPS

*Machine Cut Gear*

Back Geared 6 to 1

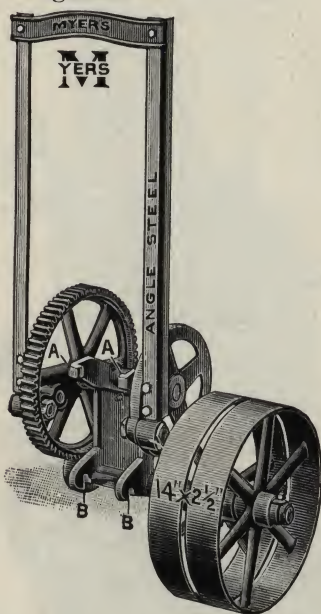
6 and 9 Inch Stroke

Fig. 2924



The Jack is Detachable,  
Making it Convenient for Installation  
 $1\frac{1}{2}$  H. P. Maximum

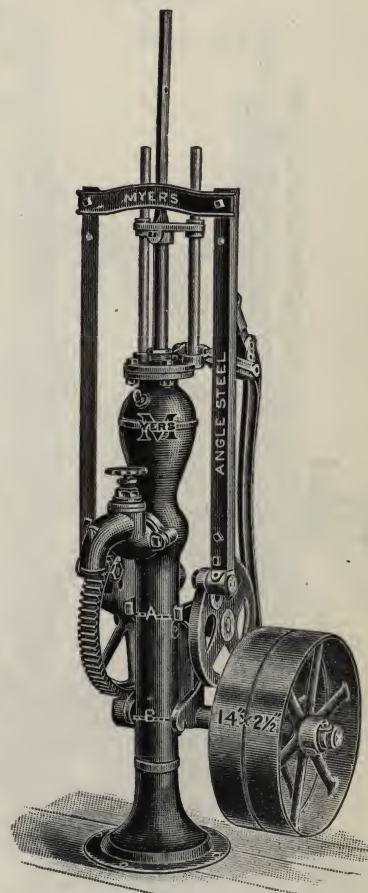
Fig. 2039



Tapped for 2 Inch Pipe and Bushed for  
 $1\frac{1}{2}$  and  $1\frac{1}{4}$  Inch Pipe

Back Outlet Tapped for  $1\frac{1}{2}$  Inch Pipe

Fig. 2209



Steel Rod Coupling, Fig. 2907,  $\frac{5}{8}$ " x  $\frac{3}{8}$ " x  $\frac{7}{16}$ " Rod x  $\frac{3}{8}$ " Pipe.

THE Stand is our regular Defiance or Direct Line Pump Stand-ard, with lugs cast on the side of the stand, which engage the clamps A and B on the Jack, Fig. 2039, the latter dropping down over the former, forming a connection which is bound

securely in position by a push-bolt, making a very rigid construction.

Fig. 2039 shows the Jack detached from the stand for installation.

## PRICE LIST, Represented by Figs. 2924, 2039 and 2209

No. 433,	Myers Faultless Power Head, Fig. 2924, with 14 x $2\frac{1}{2}$ inch tight and loose pulleys, cock spout and $1\frac{1}{2}$ inch back outlet. (The Crosshead is connected to flat rod above the Pump Head).	Price
	Weight 148 Lbs. .... LAVUL	\$28.50
No. 525,	Myers Direct-Line Power Head, Fig. 2209, with 14 x $2\frac{1}{2}$ inch tight and loose pulleys, cock spout and $1\frac{1}{2}$ inch back outlet. Weight 150 Lbs. .... LAWAZ	28.50
No. 430 $\frac{1}{2}$ ,	Faultless Jack only, Fig. 2039, with long side arms to use on all Defiance and Simplex Stands and Hercules Three-Way Pump. Weight 75 Lbs. .... MABHI	14.50
	For Shield over Gear and Pinion like Fig. 2277, page 149, add. ....	1.75

REPAIRS: See Pages 22, 81 to 90 and 179 to 180, No. R40 Repair Catalog





# MYERS SELF-LUBRICATING DEEP WELL PUMP

Engine, Motor, Windmill or Hand Operated

*Perfect and Continuous Lubrication*

PATENTED

Machine Cut Gear

Back Outlet

6 or 8 Inch Stroke

Back Geared 6 to 1  
Cock Spout

1½ H. P. Engine, 1 H. P. Motor  
Maximum

Fig. 3110

Fig. 3111

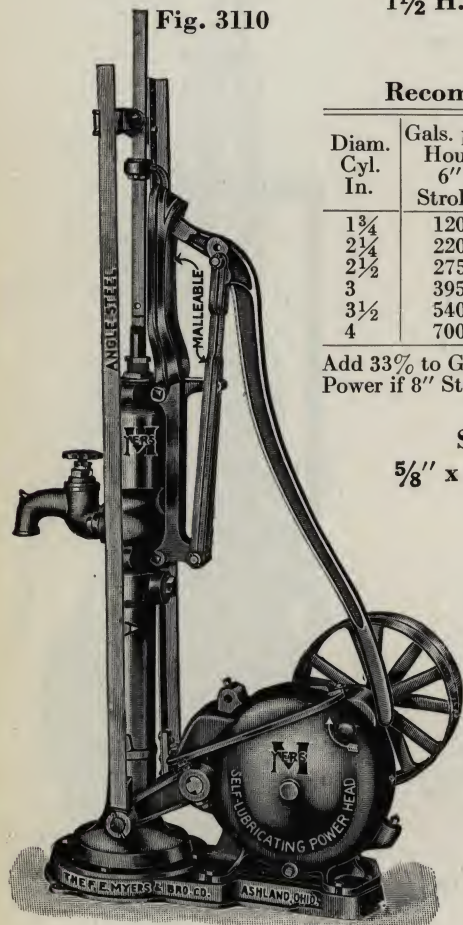
## Recommended Total Feet Head

Diam. Cyl. In.	Gals. per Hour 6" Stroke	Maximum H. P. Motor Required for 6" Stroke At 36 R.P.M. Plgr. Speed				
		¼	⅓	½	¾	1
1¾	120	160	215	300		
2¼	220	90	120	180	275	
2½	275	70	95	145	215	285
3	395	50	65	100	150	200
3½	540	35	45	75	110	145
4	700	25	35	55	85	110

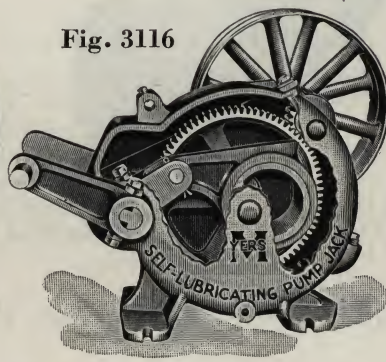
Add 33% to Gallonage and not less than 33% to Horse Power if 8" Stroke Jack is selected.

Steel Rod Coupling,  
5/8" x 3/8" x 7/16" Rod x 3/8" Pipe

Fig. 3116



For Engine Drive  
Floor Space: 16 x 32"



For Wells 25 or More Feet in Depth  
to Low Water Level



For Motor Drive  
Floor Space: 16 x 36"

**F**IGS. 3110 and 3111 illustrate the Myers Self-Lubricating Deep Well Pump. All gears and moving parts are enclosed in a one-piece casting, forming an Oil Reservoir. This construction not only insures perfect and continuous lubrication, but protects the moving parts from dust and dirt and also promotes safety. The Pump Head is the Defiance Malleable Head Pump Stand, tapped for 2 inch pipe and bushed for 1½ and 1¼ inch pipe. Has 1½ inch back outlet.

All mounted on a substantial Cast Iron Base.

**CONSTRUCTION:** Gear and Pinion are machine cut. An eccentric cast integral with the gear operates the Pump through a Rocker Arm and Connecting Link, Fig. 3116. Has Self-Lubricating and Self-Cleaning Bearings. The Lid or Cover, held by two bolts, is weather tight.

## PRICE LIST, Represented by Figs. 3110 and 3111

No.	Description	Price
No. 442,	Myers Self-Lubricating Power Head, 6 inch Stroke, with 12x2 inch T and L Pulleys, Fig. 3110.	
	Wt. 217 Lbs.....LIYVO	\$41.50
No. 442½,	Myers Self-Lubricating Power Head, 8 inch Stroke, with 12x2 inch T and L Pulleys, Fig. 3110.	
	Wt. 223 Lbs.....LIZCA	41.50
No. 442M,	Myers Self-Lubricating Power Head, 6 inch Stroke, with 20x2½ inch Tight Pulley, Fig. 3111.	
	Wt. 232 Lbs.....LIZDY	41.50
No. 442½M,	Myers Self-Lubricating Power Head, 8 inch Stroke, with 20x2½ inch Tight Pulley, Fig. 3111.	
	Wt. 238 Lbs.....LIZEW	41.50

REPAIRS: See Pages 22, 81 to 84 and 175 to 177, R40 Repair Catalog





# MYERS SELF-LUBRICATING DEEP WELL POWER PUMP

## WITH MOTOR OR HIGH SPEED ENGINE

*Perfect and Continuous Lubrication*

PATENTED

Machine Cut Gear

6 or 8 Inch Stroke

Cock Spout

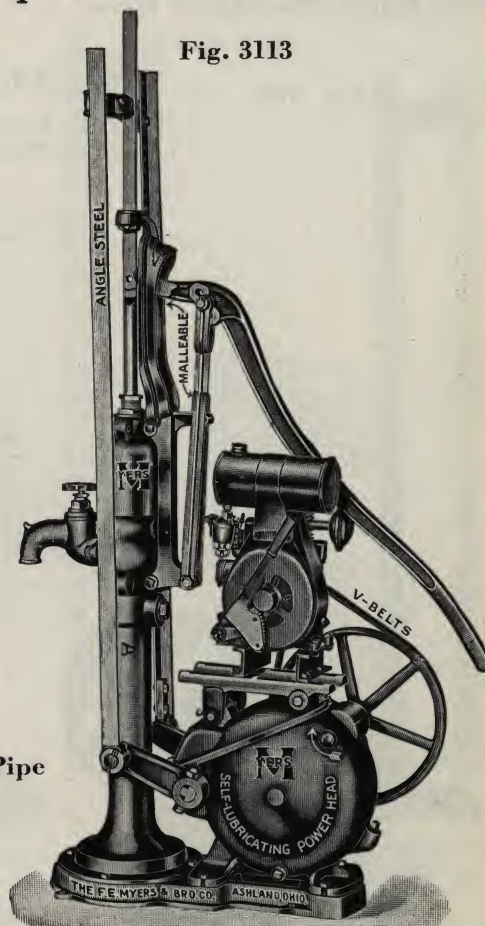
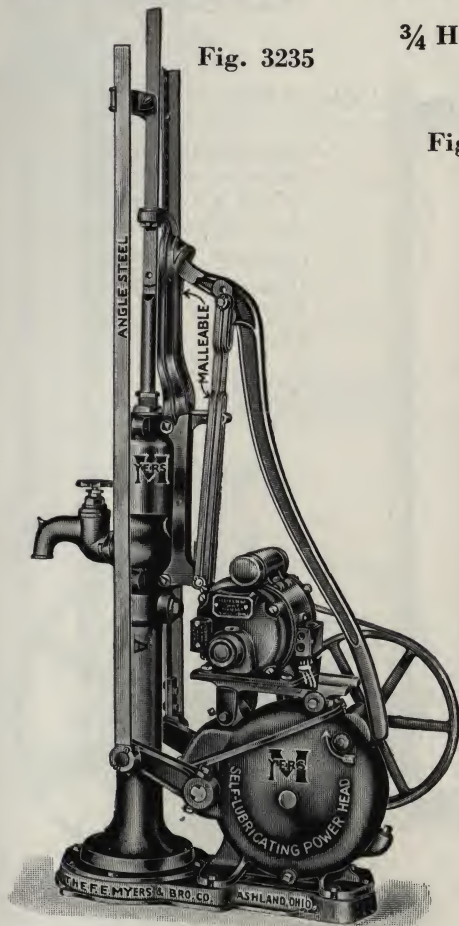
Back Geared 6 to 1

$\frac{3}{4}$  H. P. Motor.  $\frac{3}{4}$  H. P. Engine  
Maximum

Fig. 3235

Fig. 3141

Fig. 3113



Steel Rod Coupling,  
 $\frac{5}{8}$ " x  $\frac{3}{8}$ " x  $\frac{1}{16}$ " Rod x  $\frac{3}{8}$ " Pipe  
Floor Space: 16 x 32"

For Wells 25 or More Feet  
in Depth to Low Water Level

**F**IGS. 3235 and 3113 illustrate the Myers Self-Lubricating Deep Well Pump. All gears and moving parts are enclosed in a one-piece casting, forming an Oil Reservoir. This construction not only insures perfect and continuous lubrication, but protects the moving parts from dust and dirt and also promotes safety. The Pump Head is the Defiance Malleable Head Pump Stand, tapped for 2 inch pipe and bushed for  $1\frac{1}{2}$  and  $1\frac{1}{4}$  inch pipe. Has  $1\frac{1}{2}$  inch back outlet.

All mounted on a substantial Cast Iron Base.

**CONSTRUCTION:** Gear and Pinion are machine cut. An eccentric cast integral with the gear operates the Pump through a Rocker Arm and Connecting Link, Fig. 3116. Has Self-Lubricating and Self-Cleaning Bearings. The Lid or Cover, held by two bolts, is weather tight.

Adjustable Motor Rails mounted on the jack, with adjustments for taking up slack in belt, Motor rails adjustable for  $\frac{1}{4}$  to  $\frac{3}{4}$  H.P. Standard Motors or High Speed Engine.

### PRICE LIST, Represented by Figs. 3235 and 3113

No.	Description	Price
No. 444M,	Myers Self-Lubricating Power Head, 6 inch Stroke, complete with $\frac{1}{3}$ H.P., 60 Cycle 1 Phase AC Motor, Fig. 3235. Wt. 310 Lbs. .... LIZLI	\$75.50
	If with $\frac{1}{4}$ H.P. 60 Cycle 1 Phase AC Motor ..... KOJOV. deduct	7.00
No. 444 $\frac{1}{2}$ M,	Myers Self-Lubricating Power Head, 8 inch Stroke, complete with $\frac{1}{3}$ H.P. 60 Cycle 1 Phase AC Motor, Fig. 3235. Wt. 316 Lbs. .... LIZOB	75.50
	If Less Motor only (Specify size Bore and Key way for Motor Pulley) ..... KOKEP. deduct	25.00
	If with $\frac{1}{2}$ H.P. 60 Cycle 1 Phase AC Motor ..... KOKIH .... add	7.00
	If with $\frac{3}{4}$ H.P. 60 Cycle 1 Phase AC Motor ..... KOKRO .... add	17.00
	Cover for MOTOR, Belt and Jack, see Fig. 3141. Wt. 17 Lbs. .... MAMED	7.00
No. 444E,	Myers Self-Lubricating Power Head, 6 inch Stroke, complete with $\frac{1}{2}$ H.P. Engine, Fig. 3113. Wt. 267 Lbs. .... LIZUP	97.50
No. 444 $\frac{1}{2}$ E,	Myers Self-Lubricating Power Head, 8 inch Stroke, complete with $\frac{1}{2}$ H.P. Engine, Fig. 3113. Wt. 273 Lbs. .... LOBCE	97.50
	If with $\frac{3}{4}$ H.P. Engine. Weight Add 14 Lbs. .... KOKYA .... add	4.50

REPAIRS: See Pages 22, 81 to 84 and 175 to 177, R40 Repair Catalog





# THE MYERS SELF-LUBRICATING PUMP JACK

*Perfect and Continuous Lubrication*

PATENTED

For Engine or Motor Drive

Machine Cut Gear

Back Geared 6 to 1



Fig. 3106

6 or 8 Inch Stroke

$1\frac{1}{2}$  H. P. Engine } Maximum  
1 H. P. Motor }

Recommended Total Feet Head

Diam. Cyl. In.	Gals. Per Hour 6" Stroke	Maximum H. P. Motor Required For 6" Stroke At 36 R.P.M. Plgr. Speed				
		$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{2}$	$\frac{3}{4}$	1
$1\frac{3}{4}$	120	160	215	300		
$2\frac{1}{4}$	220	90	120	180	275	
$2\frac{1}{2}$	275	70	95	145	215	285
3	395	50	65	100	150	200
$3\frac{1}{2}$	540	35	45	75	110	145
4	700	25	35	55	85	110

Add 33% to Gallonage and Not Less Than 33% to Horse Power if 8" Stroke Jack is selected.

For Engine Drive  
Floor Space: 16" x 23"

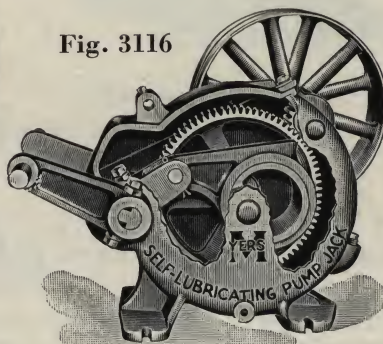


Fig. 3116

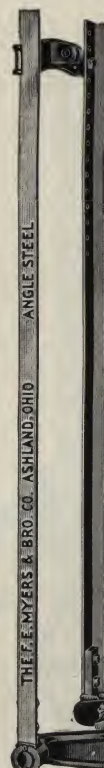


Fig. 3107

These Jacks also furnished with Ball and Socket Cross Head, Fig. 2688, when specified on order. (For use on Three-Way Pumps) Add \$1.00 to regular price.

Fig. 2688



For Motor Drive  
Floor Space: 14" x 28"

**FIGS. 3106 and 3107** illustrate the Myers Self-Lubricating Pump Jack, engine or motor driven, in which all gears and moving parts are enclosed in a one-piece casting, forming an oil reservoir. This construction not only insures perfect and continuous lubrication, but protects the moving parts from dust and dirt, and also promotes safety.

**CONSTRUCTION:** Gear and Pinion are machine cut. An eccentric cast integral with the gear operates the Pump through a Rocker Arm and Connecting Link, Fig. 3116. Has Self-Lubricating and Self-Cleaning Bearings. The Lid or Cover, held by two bolts, is weather tight.

## PRICE LIST, Represented by Figs. 3106 and 3107

No.	Description	Price
No. 438,	Myers Self-Lubricating Pump Jack, 6 inch Stroke, with 12x2 inch Tight and Loose Pulleys as represented by Fig. 3106. Wt. 122 lbs. .... MAKAN	\$24.00
No. 438 $\frac{1}{2}$ ,	Myers Self-Lubricating Pump Jack, 8 inch Stroke, with 12x2 inch Tight and Loose Pulleys, Fig. 3106 MAKOK	24.00
No. 438M,	Myers Self-Lubricating Pump Jack, 6 inch Stroke, with 20x2 $\frac{1}{2}$ inch Tight Pulley, Fig. 3107. Wt. 132 Lbs. .... MAKUY	24.00
No. 438 $\frac{1}{2}$ M,	Myers Self-Lubricating Pump Jack, 8 inch Stroke, with 20x2 $\frac{1}{2}$ inch Tight Pulley, Fig. 3107. Wt. 138 Lbs. .... MALAM	24.00

REPAIRS: See Pages 175 to 177, No. R40 Repair Catalog





# MYERS SELF-LUBRICATING PUMP JACK COMPLETE WITH MOTOR OR HIGH SPEED ENGINE

*Perfect and Continuous Lubrication*

V-Belt Drive

Back Geared 6 to 1

Completely Enclosed



Fig. 3236

6 or 8 Inch Stroke

These Jacks also furnished with Ball and Socket Cross Head, Fig. 2688, when specified on order. (For use on Three-Way Pumps) Add \$1.00 to regular price.

Fig. 2688



Fig. 3141

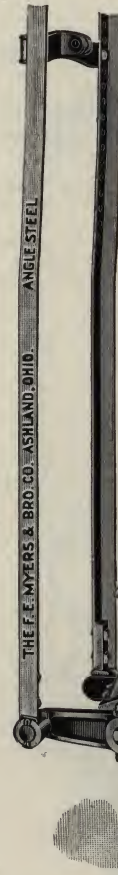


Fig. 3109

THE Myers Self-Lubricating Pump Jack, pictured above, with Motor or High Speed Engine mounted on top on Adjustable Rails with V-Belt Drive, has all gears and moving parts enclosed in a one-piece casting which forms the oil reservoir. This construction not only insures perfect and continuous lubrication but protects the moving parts from dust and dirt, and also promotes safety.

Adjustable Motor Rails mounted on the jack, with adjust-

ments for taking up slack in belt. Motor rails adjustable for  $\frac{1}{4}$  to  $\frac{3}{4}$  H.P. Standard Motors or High Speed Engine.

CONSTRUCTION: Gear and Pinion are machine cut. An eccentric cast integral with the gear operates the Pump through a Rocker Arm and Connecting Link, Fig. 3116. Has Self-Lubricating and Self-Cleaning Bearings. The Lid or Cover, held by two bolts, is weather tight.

## PRICE LIST, Represented by Figs. 3236 and 3109

		Price
No. 441M,	Myers Self-Lubricating Pump Jack, 6 inch Stroke, with $\frac{1}{8}$ H.P. 60 Cycle 1 Phase AC Motor. Fig. 3236. Wt. 188 Lbs. ....	MALGA \$58.00
	If with $\frac{1}{4}$ H.P.—60 cycle 1 Phase AC Motor .....	KOLAW deduct 7.00
No. 441½M,	Myers Self-Lubricating Pump Jack, 8 inch Stroke, complete with $\frac{1}{8}$ H.P. 60 Cycle 1 Phase AC Motor, Fig. 3236. Wt. 194 Lbs. ....	MALIW 58.00
	If Less Motor only (Specify size Bore and Key Way for Motor Pulley) .....	KOLBU deduct 25.00
	If with $\frac{1}{2}$ H.P., 60 Cycle 1 Phase AC Motor .....	KOLHI add 7.00
	If with $\frac{3}{4}$ H.P., 60 Cycle 1 Phase AC Motor .....	KOLIG add 17.00
	Cover for MOTOR, Belt and Jack, see Fig. 3141. Wt. 17 Lbs. ....	MAMED 7.00
No. 441E,	Myers Self-Lubricating Pump Jack, 6 inch Stroke, complete with $\frac{1}{2}$ H.P. High Speed Engine, Fig. 3109. Wt. 191 Lbs. ....	MALOG 80.00
No. 441½E,	Myers Self-Lubricating Pump Jack, 8 inch Stroke, complete with $\frac{1}{2}$ H.P. High Speed Engine, Fig. 3109. Wt. 197 Lbs. ....	MAMAL 80.00
	If with $\frac{3}{4}$ H.P. High Speed Engine, Weight 14 Lbs. ....	KOLJE add 4.50

REPAIRS: See Pages 175 to 177, No. R40 Repair Catalog





# THE MYERS SELF-LUBRICATING PUMP JACK

*Perfect and Continuous Lubrication*

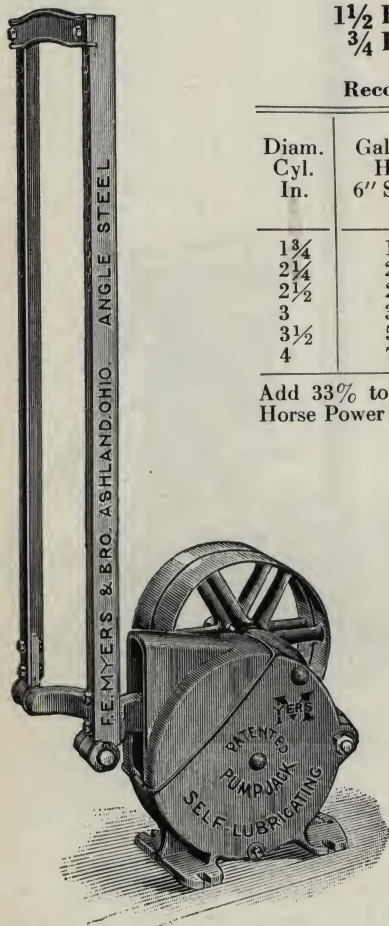
PATENTED

For Engine or Motor Drive

Machine Cut Gear

Back Geared 6 to 1

Fig. 2029



6" or 8" Stroke

$1\frac{1}{2}$  H. P. Engine } Maximum  
 $\frac{3}{4}$  H. P. Motor }

Recommended Total Feet Head

Diam. Cyl. In.	Gals. Per Hour 6" Stroke	Maximum H.P. Motor Required For 6" Stroke At 36 R.P.M. Plgr. Speed				
		$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
$1\frac{3}{4}$	120	160	215	300		
$2\frac{1}{4}$	220	90	120	180	275	
$2\frac{1}{2}$	275	70	95	145	215	285
3	395	50	65	100	150	200
$3\frac{1}{2}$	540	35	45	75	110	145
4	700	25	35	55	85	110

Add 33% to Gallonage and Not Less Than 33% to Horse Power if 8" Stroke Jack is selected.

Fig. 2031

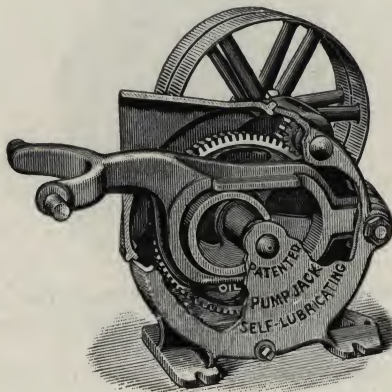
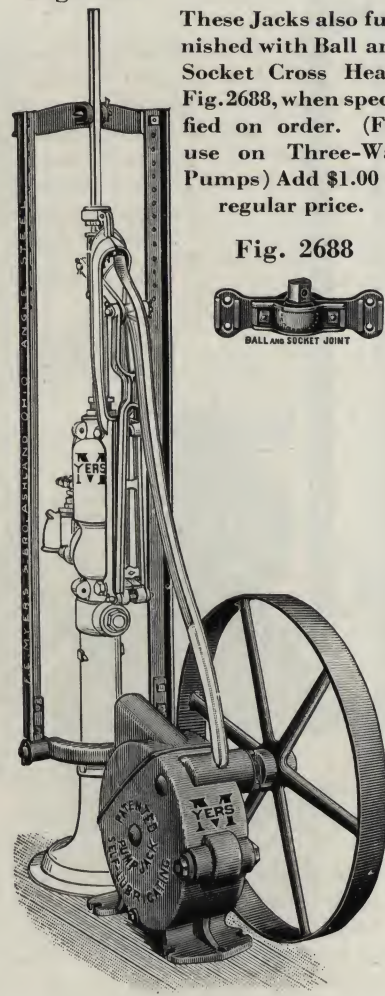


Fig. 2033



These Jacks also furnished with Ball and Socket Cross Head, Fig. 2688, when specified on order. (For use on Three-Way Pumps) Add \$1.00 to regular price.

Fig. 2688



**FIGS. 2029 and 2033** illustrate the Myers Self-Lubricating Pump Jack, engine or motor driven, a novel device in which all gears and moving parts are enclosed in a one-piece casting, forming the oil

reservoir. This construction not only insures perfect and continuous lubrication, but protects the moving parts from dust and dirt, and also promotes safety.

## PRICE LIST, Represented by Figs. 2029 and 2033

No.	Description	Price
No. 422,	Myers Self-Lubricating Pump Jack, with 12 x 2 inch Tight and Loose Pulleys, 6 inch stroke, Fig. 2029. Wt. 118 Lbs.	MABIG \$20.00
No. 422 $\frac{1}{2}$ ,	Myers Self-Lubricating Pump Jack, with 12 x 2 inch Tight and Loose Pulleys, 8 inch stroke, Fig. 2029. Wt. 115 Lbs.	MABOT 20.00
No. 422M,	Myers Self-Lubricating Pump Jack, 6 inch stroke, for Motor Drive, with 20 x 2 $\frac{1}{2}$ inch Tight Pulley, Fig. 2033. Wt. 133 Lbs.	MACAV 20.00
No. 422 $\frac{1}{2}$ M,	Myers Self-Lubricating Pump Jack, 8 inch stroke, for Motor Drive, with 20 x 2 $\frac{1}{2}$ inch Tight Pulley, Fig. 2033. Wt. 134 Lbs.	MACEN 20.00

REPAIRS: See Page 177, No. R40 Repair Catalog





# MYERS AND UNIVERSAL PUMP JACKS

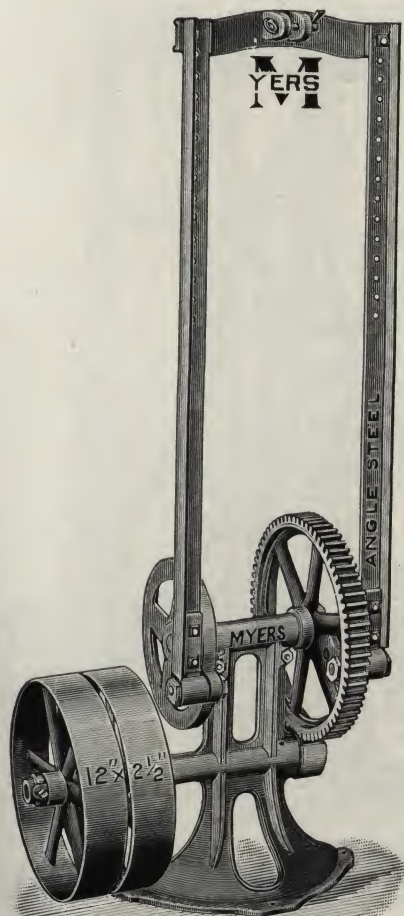
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Back Geared 6 to 1

Machine Cut Gears

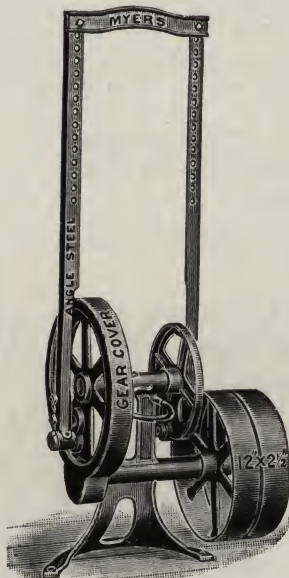
Back Geared 5 to 1

Fig. 2041



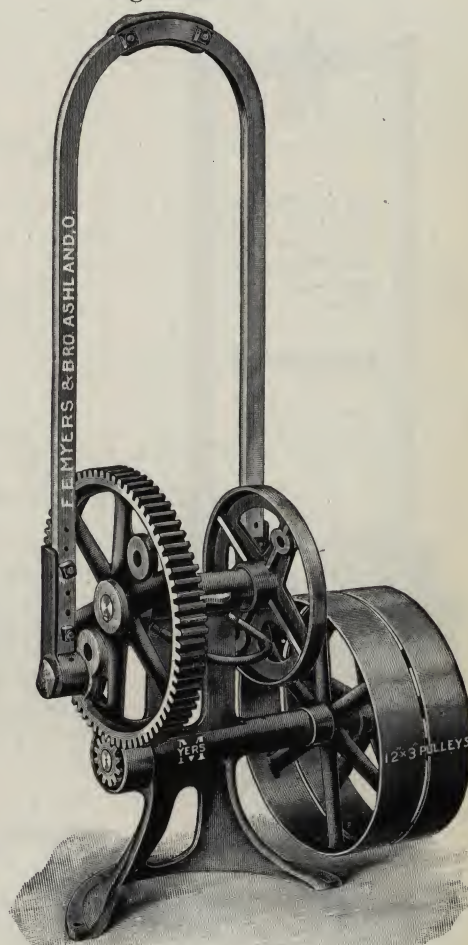
1½ H. P. Maximum

Fig. 2277



Showing Gear Cover  
for No. 366.

Fig. 1635



**T**HE Universal and Myers Pump Jacks are mounted on a substantial circular base which surrounds the pump base, and is bolted securely to the platform and also clamped to the pump stand by means of a steel loop, thus making a most substantial job. The bolting to the platform prevents twisting of

the pump stand, as is the case with the ordinary pump jack.

Fig. 1635 is Extra Heavy and Strong.

Fig. 2277 shows Gear Cover for Fig. 2041 to meet certain requirements.

## PRICE LIST, Represented by Figs. 2041 and 1635

No. 366, Myers Pump Jack, complete as shown in Fig. 2041, Machine Cut Gear, 6 and 9 inch Stroke, 12 x 2½ inch Pulleys. Weight 78 Lbs. ....	MADEM	Price
For Shield over Gear and Pinion, Fig. 2277. Weight 5 Lbs. ....	add	\$14.50
No. 425, Myers Universal Pump Jack, complete as shown in Fig. 1635, Machine Cut Gear, 5, 7½ and 10 inch Stroke, 12 x 3 inch Pulleys. Weight 101 Lbs. ....	MACUG	1.75
		16.75

REPAIRS: See Pages 179 and 180, No. R40 Repair Catalog





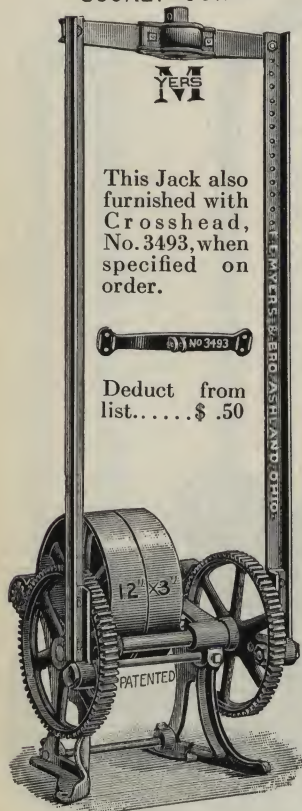
# THE MYERS MASTER DOUBLE GEAR PUMP JACK

*Engine or Motor Drive*

PATENTED

Fig. 2001

UNIVERSAL BALL &  
SOCKET JOINT



This Jack also  
furnished with  
Crosshead,  
No. 3493, when  
specified on  
order.

Deduct from  
list.....\$ .50

2 H. P. Maximum

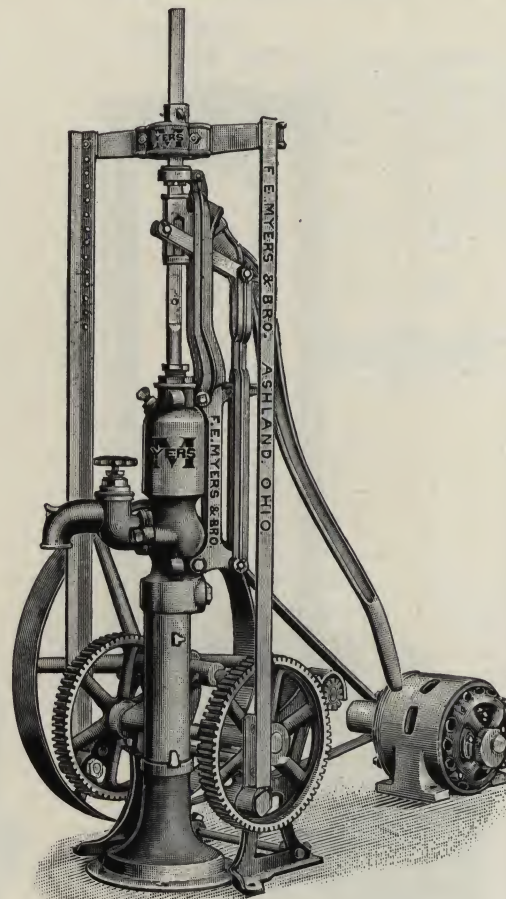
Machine Cut Gears and  
Pinions

Back Geared 6 to 1  
6 and 9 Inch Stroke

24 Inch Belt Pulley adapts  
it to be used with 1750 or 1800  
R. P. M. Motor.

Can be Attached to Any  
Style Windmill Pump. Extra  
Strong for Heavy or Deep Well  
Work.

Fig. 2004



**T**HE Myers Pump Jack for engine or motor drive, as represented by Figs. 2001 and 2004, is our latest production. It is made extra wide, measuring 13 inches between the gear wheels, which adapts it for use with 3-way pumps.

**The Gears and Pinions** are machine cut.

**The Wrist Pins** are hard steel, machine smoothed, screwed into the gear wheel, and secured in addition by a lock nut.

**The Shafts** are  $1\frac{1}{8}$  inch drawn steel securely keyed to the gears.

**The Frame** is made in two separate parts, held together with steel rods.

**The Side Arms** are angle steel bars, adjustable to any length stroke or height of pump.

**The Crosshead** is extra strong. Double bolted to the Angle bars and fitted with a ball and socket joint to attach the pump rod. This socket joint prevents binding and removes all unnecessary strain and friction on the piston rod. The socket joint also permits the piston rod to pass through at any angle, or pump to set at any angle.

Fig. 2004 illustrates the Jack as attached to Pump and belted up with motor ready for operation.

**Motor, Belt and Pump Stand not included in Price.**

## PRICE LIST, Represented by Figs. 2001 and 2004

	Price
No. 426, Myers Master Pump Jack complete with 12 x 3" Tight and Loose Pulleys, Fig. 2001. Weight 113 Lbs. ....	MADKA \$21.00
No. 428, Myers Master Pump Jack Motor Drive, with 24 x $2\frac{1}{2}$ " Pulley. Fig. 2004. Weight 131 Lbs. ....	MADLY 22.00

REPAIRS: See Pages 179 and 180, No. R40 Repair Catalog





# THE MYERS GIANT PUMP JACK

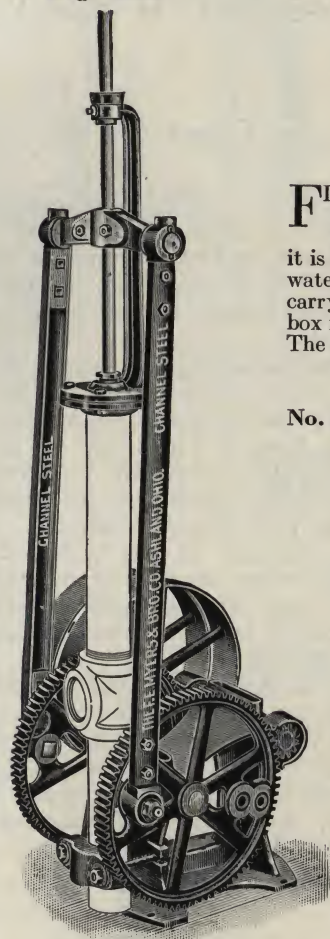
Fig. 2067

*With Channel Steel Side Arms*

**Double Gears, Machine Cut**

**10, 12 and 14 Inch Stroke      Back Geared 7 to 1**

**For Extra Heavy Service      5 H. P. Maximum**



**FIG. 2067** illustrates the Myers Giant Pump Jack, an especially rugged Jack made for use in deep wells. To be attached direct to the well pipe or casing, as shown in the above cut. The outlet in pipe can be located at any height above the base to suit the conditions under which it is to operate. The stuffing box head is fitted for either 3 or 4 inch pipe and can be used to force water to any reasonable elevation. The gears are machine cut; has tight and loose pulleys and will carry 24 inch pulley for motor drive. The shafting is extra heavy with long boxes; the pulley shaft box is babbitted and the piston rod, which is  $1\frac{1}{8}$  inch in diameter, is machined for crosshead clamp. The crosshead is made in two parts clamped to a recess cut in the piston rod.

## PRICE LIST, Represented by Fig. 2067

<b>No. 431,</b> Myers Back Geared Pump Jack, as shown in Fig. 2067, <i>without pipe or tee</i> to be used on 3 or 4 inch pipe (State which is wanted) has 16" x 4" tight and loose pulleys. Wt. 305 Lbs. ....	<b>Price</b> <b>MADOR \$54.00</b>
Can be furnished with Large Pulley for motor in place of regular tight and loose pulleys.	
When fitted for windmill the piston rod is extended at upper end and threaded. Add to Price .....	<b>1.00</b>

## The Myers Back Geared Pumping Power, Jack or Countershaft

**With Sixteen and Twenty Inch Adjustable Stroke  
Back Geared 8 to 1**

**FIG. 1767** illustrates our Pumping Power or Jack, which is built in a most substantial and compact form with heavy, square base or stand; has 15 and 17 inch boxes.

The gear and pinion are machine cut with  $2\frac{3}{8}$  inch face.

The wrist pin is  $2\frac{1}{2} \times 2\frac{1}{2}$  inch, recessed into the face plate at the hub and held secure by a heavy bolt and fitted for  $2\frac{1}{2}$  inch square wood piston rod.

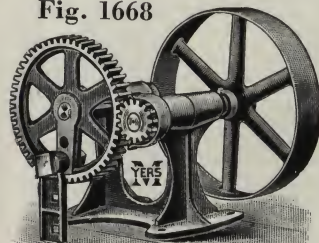
**Double End Pitman**

Fig. 1767

## The Myers Triumph Junior Jack or Countershaft

**Made with Machine Cut Gear      Back Geared 5 to 1  
4 and 6 Inch Stroke**

Fig. 1668

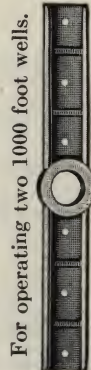


**FIG. 1668** illustrates the Triumph Junior Pump Jack especially designed for use with horizontal pumps and as a countershaft, it being braced from all directions.

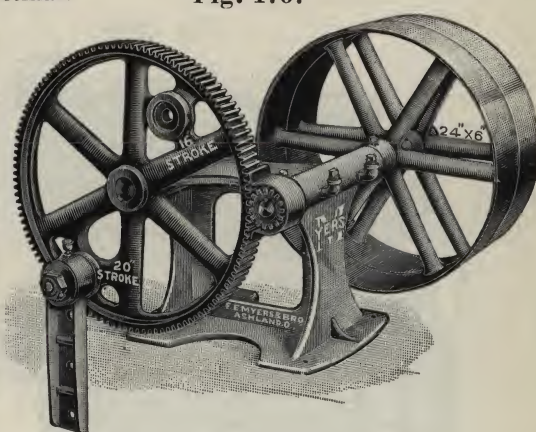
The one special feature of the Jack is that the gears, pinions and pulley can be interchanged.

## PRICE LIST, Represented by Fig. 1668

<b>No. 400,</b> Myers Triumph Junior Pump Jack or Countershaft, 12x2 $\frac{1}{2}$ " Pulley, Fig. 1668. Wt. 50 Lbs. ....	<b>Price</b> <b>MAFIC \$12.50</b>
<b>No. 400M,</b> With 24 x 2 $\frac{1}{2}$ pulley for motor. Wt. 83 Lbs. ....	<b>MAFOP 15.75</b>
When fitted with Wood Rod 1 $\frac{1}{4}$ x 1 $\frac{3}{8}$ x 36 inches in length, with handle connections. Add to Price .....	<b>2.00</b>



For operating two 1000 foot wells.



**Floor Space, 36 x 36 Inches.**

## PRICE LIST, Represented by Fig. 1767

<b>No. 405,</b> Back Geared Pumping Power or Jack, with tight and loose pulleys, 24 inch diameter and 6 inch face. Wt. 412 Lbs. ....	<b>Price</b> <b>MAGEJ \$78.00</b>
When fitted with Double Pitman End for Pumping Two Wells, add	<b>2.50</b>

**REPAIRS:** See Pages 178 to 180, No. R40 Repair Catalog





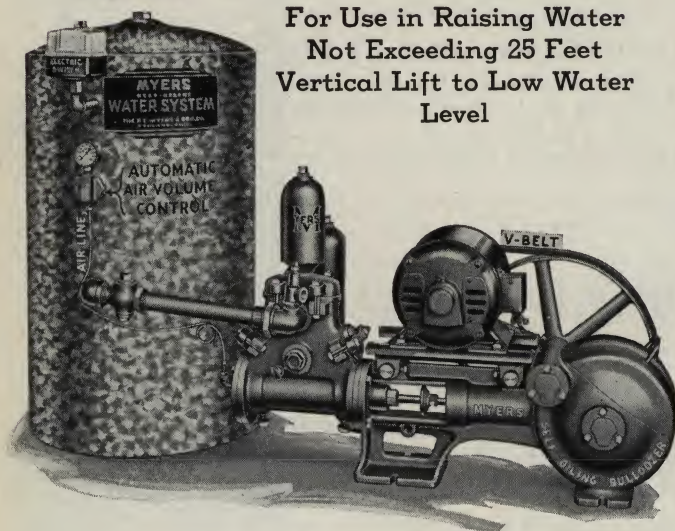
## AIR CONDITIONING

### USE MYERS PUMPS AND WATER SYSTEMS WITH WATER FROM YOUR OWN WELL

For Cooling and Dehumidifying at Low Cost

Fig. 3147

For Use in Raising Water  
Not Exceeding 25 Feet  
Vertical Lift to Low Water  
Level



Well water at 55° or lower temperature will cool the air 15° or more, and will remove the excess moisture from the air in the building, making the house comfortable and livable on the hottest summer days.

A typical installation includes a Myers Water System to furnish water pumped direct from the well to a closed coil placed in the air ducts provided for the purpose. A filter to clean the air and a blower to speed up air circulation are used in connection with the coil, assuring clean, cool air gently circulated for best living conditions.

Condensation of moisture on the coils reduces the humidity. Well water at 55° is sufficiently cool to accomplish this. The equipment may be automatically controlled by means of thermostats and pressure switches.

Installation cost, including new well if you do not have one, does not exceed the cost of other types of Air Conditioning. If you have a well of 55° temperature, the cost will be greatly reduced. Operating cost is only a fraction of that of any other type of equipment, as nature provides the refrigeration.

Fig. 3209



Write us for further  
particulars

For Wells 25 or More Feet  
in Depth to Low Water  
Level

Fig. 3135





# MYERS

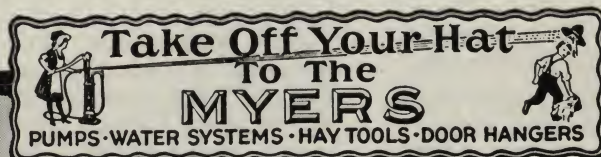
**MYERS EJECTO  
AUTOMATIC  
WATER SYSTEMS  
AND  
DEEP WELL PUMPS**

---

**FOR PUMPING FROM WELLS OF 25 TO  
120 FEET LOW WATER LEVELS**

---

**SEE LAST SECTION, NO. R40 REPAIR  
CATALOG FOR REPAIRS**



EJECTO  
PUMPS

CENTRI-  
FUGALS

ACCES-  
ORIES

HAND  
SPRAY

POWER  
SPRAY

SPRAY  
ACCESS.

POWER  
WASHERS

HAY  
TOOLS

DOOR H.  
TORE L.

ENC.  
DATA

INDEXES





# MYERS *Ejecto* DEEP WELL PUMPS AND AUTOMATIC WATER SYSTEMS

For Pumping from Deep Wells of 25 to 120 Feet Water Levels  
For Pressure Tank, Open Tank, or other Service

Myers offers a complete line of Ejector Pumps for deep well service. These Pumps are built in the 10 following sizes:  $\frac{1}{4}$ — $\frac{1}{2}$ — $\frac{3}{4}$ —1— $1\frac{1}{2}$ —2—3—5— $7\frac{1}{2}$  and 10 HP and in three types, the TWIN, the DUPLEX and the PACKER.

The TWIN-TYPE (parallel pipes in well) is designed for the most economical and efficient installation and should be used wherever well size will permit. See Page 156.

The DUPLEX-TYPE (pipes in well one within the other) is offered for small diameter wells, making it possible to obtain larger capacities from small size wells. See Page 164.

The PACKER TYPE (using the well casing as the pressure pipe) is designed to obtain the greatest capacity possible from 2",  $2\frac{1}{2}$ " and 3" wells. See Page 170.

The complete line of Twin, Duplex and Packer Well Types makes possible the selection of a suitable Myers *Ejecto* Pump or Water System for any well condition or capacity requirement within the limitations of this type of equipment.

The Myers *Ejecto* line is offered as a useful addition to the complete Myers line of Deep Well Pumps and Water Systems. Within the limitations indicated in Performance Charts, greater variety of equipment to meet the varying needs and ideas of the buying public is now offered.

Many desirable and exclusive features are built into the Myers *Ejecto* Pumps and Water Systems. Highly satisfactory performance of the large number of installations made during the past several years, together with the Myers reputation for building dependable quality merchandise, means that Myers *Ejecto* Pumps and Water Systems can be bought with confidence.

**CENTRIFUGAL PUMP:** The vertical centrifugal pump which supplies the pressure and capacity for operation of the Ejector is of excellent mechanical and hydraulic design. These pumps have been satisfactorily proven by field operation. The pump has only one moving part (the Bronze Impeller and Stainless Steel Shaft) and this is easily accessible for repair when necessary. This pump has no bearings and consequently requires no lubrication, which insures a water supply free from oil or grease.

**MOTOR:** The centrifugal pump is direct connected to the most modern, efficient, and reliable electric motor, especially designed for Ejector pumps. These are Vertical Ball-Bearing Motors mounted on the

pump bracket with an accurately machined fit, insuring perfect alignment.

**PRESSURE REGULATOR AND AIR CHARGER VALVE:** For an Ejector Water System to operate properly it is necessary to maintain a constant pressure on the Ejector at all times and also to supply the pressure tank with necessary amount of air. The patented Myers *Ejecto* Automatic Pressure Regulator and Air Charger Valve accomplishes both of these requirements and is an exclusive feature available on Myers *Ejecto* Pumps only. See Page 155 for complete description.

**EJECTOR ASSEMBLY:** The Ejector Assembly is made entirely of bronze, consisting of Ejector Body, Venturi Tube and Nozzle. The purpose of the Ejector Assembly is to lift water from wells beyond suction lift limit with no moving parts in the well.

**HOW IT WORKS:** Part of the water from the Centrifugal Pump is diverted by the Automatic Pressure Regulator down the Pressure Pipe to the Nozzle of the Ejector Assembly. This water is forced through the Nozzle at high velocity into the throat opening of the Venturi Tube, thereby creating a vacuum which causes water to be drawn in from the well. This water from the well is mixed with the water from Pressure Pipe entering through Nozzle and is carried up through the Venturi Tube where the high velocity is converted into useful pressure which forces the water up through the Delivery Pipe to the Centrifugal Pump. The water that was drawn in from the well is discharged through the Pressure Regulator Valve under pressure and into the discharge line for use. The balance of the water is recirculated through the Ejector, giving a continuous, steady flow of water.

**FOOT VALVE:** Each system is provided with a non-slamming, all-bronze foot valve that keeps the pump primed at all times, ready for instant operation.

**INSTALLATION:** The Myers *Ejecto* Pump is designed for installation directly over the well or at reasonable distance away from well. See Typical Installations Pages 175 and 176.

**APPEARANCE AND FINISH:** The Myers *Ejecto* Pump is of sturdy, streamlined design giving a very attractive appearance. Each pump is sprayed with two coats of paint, the second having a gloss finish. The color is a pleasing shade of gray green set off with red trim. All pipe fittings are galvanized. Packing Gland, and Automatic Regulator and Air Charger Valve are of bronze.

Follow the performance tables carefully in selecting a Myers *Ejecto* Pump.



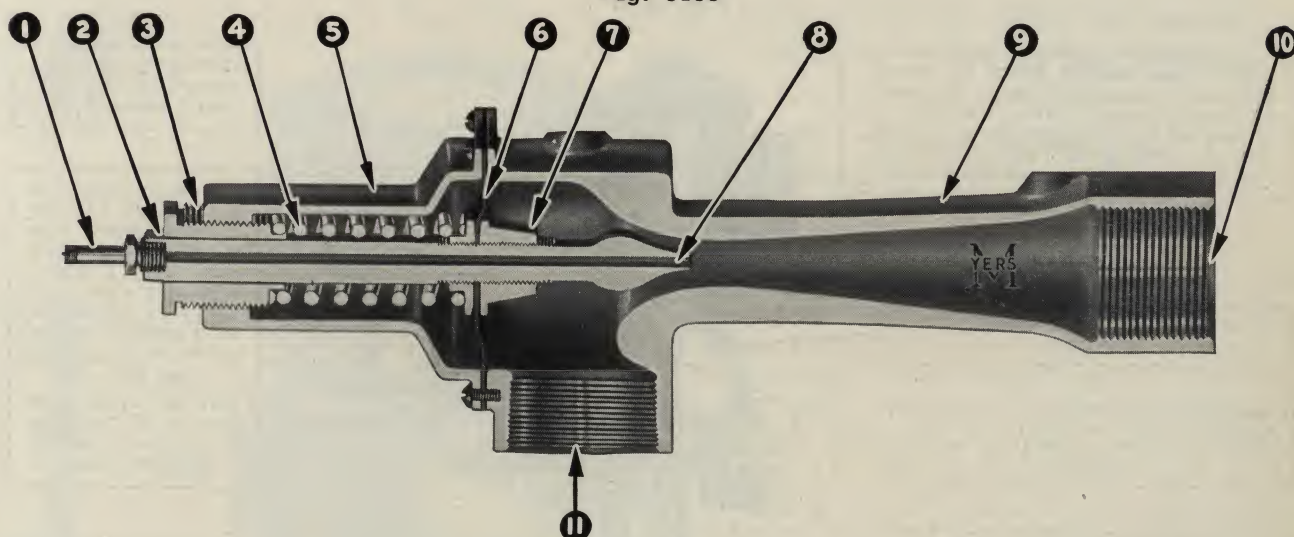


# THE MYERS *Ejecto*

## AUTOMATIC PRESSURE REGULATOR AND AIR CHARGER VALVE

PATENTED

Fig. 3133



### VALVE PARTS

1. Air valve controlling flow of air into tank.
2. Needle valve stem. Made of hard brass rod.
3. Adjusting nut for regulating correct operating pressure when pump is installed.
4. Pressure spring.
5. Housing cap for spring and diaphragm. Bronze.
6. Diaphragm, rubber and fabric, very flexible.
7. Diaphragm holding nuts. Made of Bronze.
8. Hollow passage in stem through which air is drawn as the water flows past point of stem at high velocity.
9. Valve body. Made of bronze.
10. Discharge outlet.
11. Inlet from pump.

All Myers *Ejecto* Deep Well Water Systems are equipped with the Automatic Pressure Regulator and Air Charger Valve as illustrated above. This valve is a patented and exclusive Myers *Ejecto* feature. As is generally known, a pressure system must have some means to maintain supply of air in pressure tank for proper operation.

With Ejector Pump Water Systems, however, it not only is necessary to supply air to the tank but some means must be furnished to maintain a set pressure at the Ejector at all times regardless of how the tank pressure may vary. The Ejector is the means of lifting water from the well, and in order for Ejector to operate it is necessary to maintain a fixed minimum pressure at the Ejector for a given lift.

The Myers *Ejecto* Automatic Valve has been designed to maintain the correct operating pressure and charge the tank with air at the same time.

This valve can be set for any desired operating pressure and will maintain this set pressure regardless of how the tank pressure may vary.

With this valve it is also possible for the pump to deliver more water at high tank pressure. As the pressure builds up in the tank a back pressure is exerted on the diaphragm equal to the tank pressure. As this pressure becomes greater than the set pressure of the valve the diaphragm is forced back, taking the stem back also. As the stem moves back the valve opening is increased. This reduces the friction loss through the valve and eliminates any false head for the pump to operate against, providing more efficient operation.

As can be seen by the above cut, the narrow throat of the discharge venturi causes the velocity of the water to increase at this point creating a vacuum, which draws air in through the hollow stem. The air is then forced into the pressure tank with the water. As the pressure builds up in the tank, the back pressure through the hollow stem closes the air valve and prevents leakage.

The dual features of this valve make it an outstanding improvement, available only with Myers *Ejecto* Pumps.





# MYERS *Ejecto* DEEP WELL PUMP

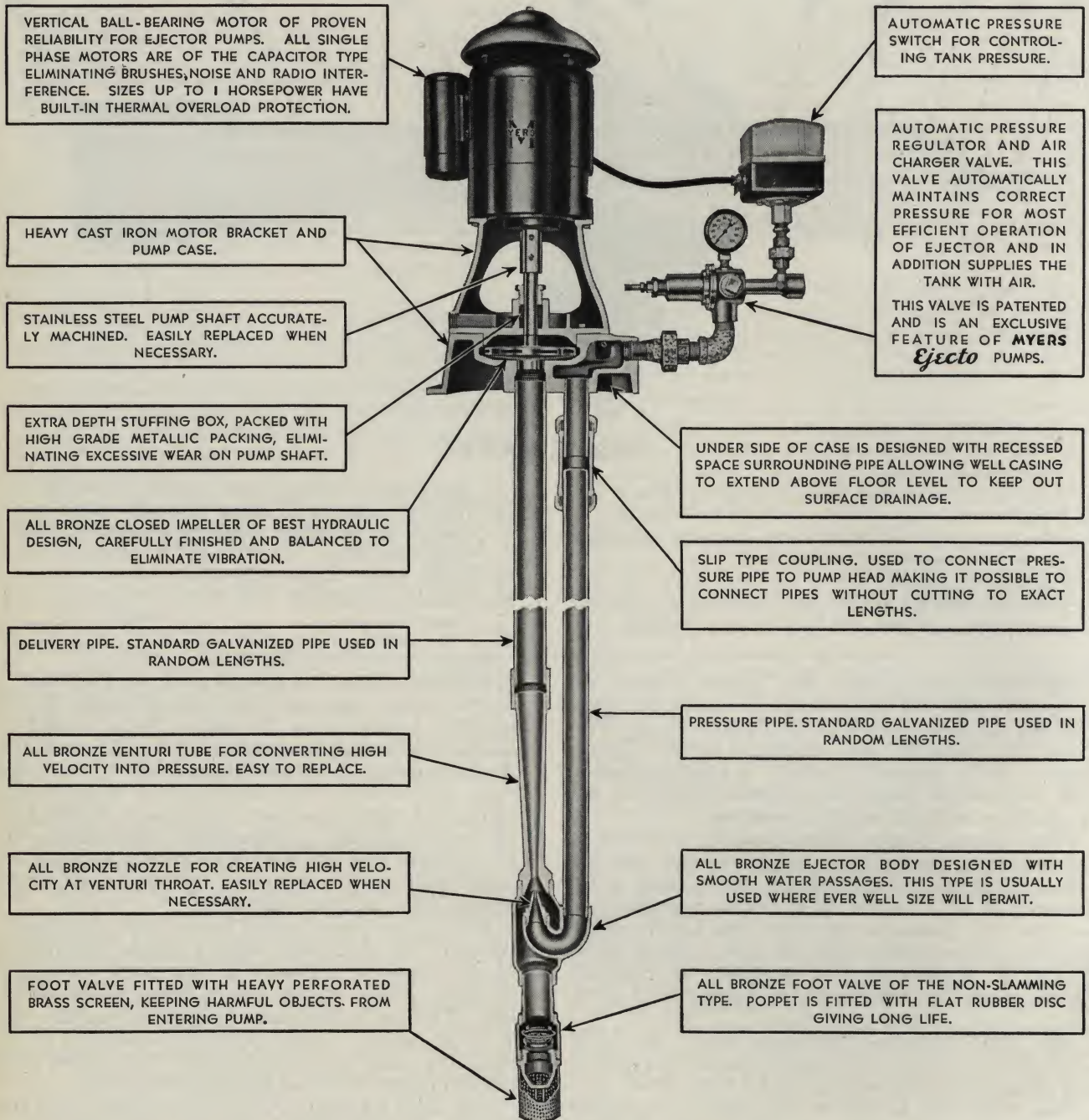
FOR PRESSURE TANK OR ELEVATED TANK SERVICE

DESIGNED FOR THE AVERAGE INSTALLATION

## TWIN TYPE

PATENTED

Fig. 3243



REPAIRS: See Last Section, No. R40 Repair Catalog





# MYERS *Ejecto* DEEP WELL AUTOMATIC WATER SYSTEM

## TWIN-TYPE for DOMESTIC USE

$\frac{1}{4}$  HP to 1 HP

Fig. 3135



Fig. 3135 illustrates the complete Myers *Ejecto* Water System as built in Sizes  $\frac{1}{4}$ — $\frac{1}{2}$ — $\frac{3}{4}$  and 1 HP. These pumps are supplied with capacitor type motors, which have no brushes and are quiet and trouble free in operation. Each motor has built-in thermal overload protection giving assurance against burn-out.

Each Myers *Ejecto* Water System, as illustrated, includes Vertical Centrifugal Pump direct connected to Vertical Ball-Bearing Motor, Automatic Pressure Regulator and Air Charger Valve, Pressure Switch, Pressure Gauge, Vertical Galvanized Pressure Tank, All Fittings Between Pump and Tank, Automatic Air Volume Control for tank, All Bronze Ejector Assembly and Foot Valve, and Slip Coupling and Nipple for Connecting Pressure Pipe in Well to Pump Head. Well Pipes Not Included.

FOR PUMPING FROM WELLS OF  
25 TO 100 FEET WATER LEVELS

Overload Protection  
Complete Automatic Control  
No Personal Attention Necessary

The Myers *Ejecto* Pump delivers water from deep wells with no moving parts in the well. These pumps are simple, quiet and economical.

The Myers *Ejecto* Water System is completely automatic in operation. No oiling or greasing is required. The tank is supplied with necessary amount of air from the Air Charger Valve on the pump and the air supply in the tank is automatically controlled by the Automatic Air Volume Control.

The system as illustrated is for use with the Twin-Type Ejector assembly. This Twin-Type is made for the most economical and efficient installation and should be used wherever well size will permit. When well size is too small to accommodate the Twin-Type Ejector assembly the system with Duplex-Type Ejector assembly, illustrated on Page 164 should be used.

These units have been designed for compactness, simplicity and reliability, making them especially suitable for the domestic water system.

Installation may be directly over the well or, when desired, the complete system as illustrated may be located at a reasonable distance from the well, in the basement or other convenient place. For Typical Illustrations See Pages 175 and 176.

FOR COMPLETE DESCRIPTION AND PERFORMANCE DATA SEE PAGES 154, 160 AND 161

FOR PRICE DATA SEE PAGE 162

CENTRI-  
FUGALS  
ACCE-  
SSORIES

HAND  
SPRAY

POWER  
SPRAY

SPRAY  
ACCESS.

POWER  
WASHERS

HAY  
TOOLS

100R H.  
TORE L.

ENG.  
DATA

INDEXES





# MYERS *Ejecto* DEEP WELL AUTOMATIC WATER SYSTEM STANDARD DUTY TWIN-TYPE

1½ HP to 5 HP

Fig. 3136



FOR PUMPING FROM WELLS OF  
25 TO 120 FEET WATER LEVELS

Completely Automatic  
No Personal Attention Necessary

The Myers *Ejecto* Pump delivers water from deep wells with no moving parts in the well and only one moving part above ground.

Myers *Ejecto* Pumps are scientifically designed and properly constructed of only the best of materials. These sturdy, reliable pumps will give many years of satisfactory performance.

The System illustrated is for use with the Twin-Type Ejector assembly. The Twin-Type is designed for the most economical and efficient installation and should be used when well size will permit. For small diameter wells the systems with Duplex-Type Ejector Assemblies should be used for maximum capacity. See Pages 164 and 168.

Fig. 3136 illustrates the complete Myers *Ejecto* Water System as built in Sizes 1½—2—3 and 5 HP. These units are furnished with Single or 3 phase motors and are of heavy, rugged, compact design. We recommend these systems for large residences, creameries, air conditioning systems, the industrial plant or similar service requiring relatively high

capacities and pressures.

Installation may be directly over the well, or these pumps may be located at a reasonable distance from the well without affecting the performance. This often is a very desirable feature where it is necessary to seal the well or where the well is away from building. See Typical Installations Page 175.

The Myers *Ejecto* Water System as illustrated includes, Vertical Centrifugal Pump, direct connected to Vertical Ball-Bearing Motor, either Single or 3 Phase, Automatic Pressure Regulator and Air Charger Valve, Pressure Switch, Pressure Gauge, Vertical Galvanized Pressure Tank, All Fittings between pump and tank, Automatic Air Volume Control for tank, All Bronze Ejector Assembly and Foot Valve, and Connecting Fittings for Pressure Pipe in Well.

FOR COMPLETE DESCRIPTION AND PERFORMANCE DATA SEE PAGES 154, 160 AND 161  
FOR PRICE DATA SEE PAGE 162





# MYERS *Ejecto* DEEP WELL AUTOMATIC WATER SYSTEM

## HEAVY DUTY TWIN-TYPE

7½ HP and 10 HP

For Pumping from Deep Wells of 25 to 120 Feet Water Levels

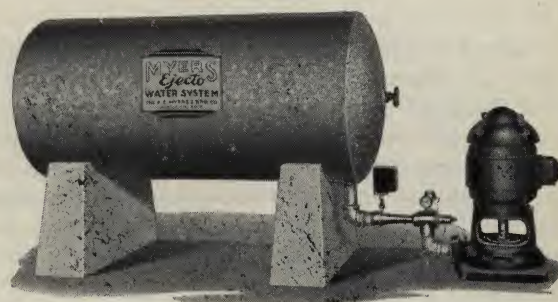
### HIGH CAPACITY

Fig. 3137

### HIGH PRESSURE

### CONTINUOUS DUTY

Fig. 3138



The Myers *Ejecto* Water Systems and Pumps built in 7½ and 10 HP Sizes are illustrated by Figs. 3137 and 3138.

These are the largest sizes of the Myers *Ejecto* Line, and being heavily constructed are especially suited for continuous trouble free operation. These systems may be used for Pressure Irrigation, Schools, Hospitals, Industrial Plants or Village Water Systems.

The fact that these pumps have only one moving part, and this being easily accessible for inspection and repair, makes them desirable for any installation

NO OIL OR GREASE

QUIET RELIABLE ECONOMICAL

requiring constant operation.

These units, as in the case of the smaller sizes can be supplied in either the Twin-Type or Duplex-Type. The Twin-Type should be used where possible but in these larger sizes the Duplex-Type may more often be the proper selection.

Installation of these systems may be made directly over the well, or at a reasonable distance away from the well. See Typical Installations on Pages 175 and 176.

The Myers *Ejecto* Water System as illustrated includes Vertical Centrifugal Pump direct connected to 3 Phase Vertical Ball-Bearing Motor, Automatic Pressure Regulator and Air Charger Valve, Pressure Switch, Pressure Gauge, Horizontal Galvanized Pressure Tank, All Fittings between Pump and Tank, Automatic Air Volume Control for tank, All Bronze Ejector Assembly and Foot Valve, and Connecting Fittings for Pipes in Well.

FOR COMPLETE DESCRIPTION AND PERFORMANCE DATA SEE PAGES 154, 160 AND 161

FOR PRICE DATA SEE PAGE 162





# SELECTION INSTRUCTIONS FOR MYERS *Ejecto* DEEP WELL PUMPS AND WATER SYSTEMS

## TWIN-TYPE

PATENTED

See Opposite Page

To select proper system for conditions desired, use chart as follows: First determine required lift from well. This lift must be the distance from the water level in the well to the ground surface when the pump is operating. To determine this lift it is necessary to estimate the water draw-down for the capacity desired. Usually the dealer or well driller in a certain locality has a good knowledge of the draw-down conditions of wells and should be able to estimate this lift quite accurately. To get the best results it is important that this estimated lift be determined within 10 feet of the actual operating lift.

After determining this lift follow horizontally across chart on the line showing the lift and find the capacity in gallons per hour desired. At this point go to bottom of column and check the minimum well size required. If your well size is smaller than the minimum required, it will be necessary to drop back to a smaller size job, or go to the DUPLEX TYPE shown on Page 164. After selecting proper pump, note System Number at the top of the column and turn to Page 162 for price and ordering data.

In selecting pumps for stock, exact lift must be given or the range shown between horizontal lines must be used. The name plate on each pump gives the lift range for which pump is designed and for which it must be used to obtain capacities shown on performance table.

If pump is installed for a certain pumping lift and well is found to be stronger than estimated making lift less, the following will illustrate performance to expect:

**EXAMPLE:** Pump to deliver 380 gallons per hour at 55 ft. lift. This requires system E-50D1B1Z. The table shows capacities for this system only between range of 50 to 90 feet. Now if lift is only 40 feet instead of 55 feet as estimated it will be necessary to take capacity for 40 ft. lift shown for system E-50D1A1Z, and reduce 15% to arrive at capacity that system E-50D1B1Z will deliver at a 40 ft. lift.

This rule applies throughout chart providing water does not come more than 20 feet above top line of range shown. If more than 20 feet above range capacity will be approximately maximum shown.

The performances shown are based on having the Ejector Assembly installed at from five to ten feet below the pumping water level. In case well is weak, or where draw-down is uncertain, a 35 foot tail pipe should be installed below Ejector Assembly with the Foot Valve at bottom of tail pipe, to prevent loss of priming. See typical Installation "D," Page 176.

In case of a weak well where it is necessary to use a tail pipe certain precautions must be taken in figuring performance. The lift will determine the capacity that will be delivered, the same as with a regular job. The lift will be the total distance from the water level in the well to ground surface when pump is operating, even though part of the lift is made up of suction lift below the Ejector assembly. In calculating capacity for suction lifts below the ejector assembly, the figures in the performance chart will apply for suction of 15 ft. or less. For greater suction lift, capacity will drop off gradually as the water level recedes. This is a desirable characteristic, since delivery is thus automatically adjusted to the flow of the well.

The capacities in the table are based on the surface operating pressures shown. These operating pressures are the minimum at which the Ejector will operate properly. If the pump is used for overhead tank or surface discharge, it will be necessary to maintain the operating pressures shown even though the required pressure above ground is considerably less.

Any of the systems shown may be installed away from the well. For horizontal piping from well to pump see charts on Pages 183 and 184.

Do not use these pumps for lifts greater than shown in table.





# PERFORMANCE CHART FOR MYERS *Ejecto* DEEP WELL PUMPS

## FOR PUMPING INTO PRESSURE TANK OR ELEVATED TANK

### TWIN TYPE SIZES 1/4 HP TO 2 HP

SYSTEM NUMBER	E-25D2A1Z	E-50D1A1Z	E-50D1B1Z	E-50D1A1SZ	E-50D1B1SZ	E-75D1A1Z	E-75D1B1Z	E-100D1A1Z	E-100D1B1Z	E-100D1C1Z	E-100D1A1SZ	E-100D1B1SZ	E-100D1C1SZ	E-150D1A1Z	E-150D1B1Z	E-150D1C1Z	E-200D1A1Z	E-200D1B1Z	E-200D1C1Z																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Motor Horsepower Operating Pressure in lbs./sq. in. on which capacities are based. Pressure Range for Pneumatic Tank Operation	1/4	1/2	1/2	1/2	1/2	3/4	3/4	1	1	1	1	1	1	1 1/2	1 1/2	1 1/2	2	2	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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	25	360	690	↑ MAX.	700	↑ MAX.	970	↑ MAX.	1250	↑ MAX.	↑ MAX.	1250	↑ MAX.	↑ MAX.	1550	↑ MAX.	↑ MAX.	2020	↑ MAX.	↑ MAX.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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	45	230	500	550	720	860	920	1150	1700	1400	1150	990	960	840	780	630	610	590	480	380	380	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

### SIZES 3 HP TO 10 HP

SYSTEM NUMBER	E-300D1A1Z	E-300D1B1Z	E-300D1C1Z	E-300D1A1SZ	E-300D1B1SZ	E-300D1C1SZ	E-500D1A1Z	E-500D1B1Z	E-500D1C1Z	E-750D1A1Z	E-750D1B1Z	E-750D1C1Z	E-1000D1A1Z	E-1000D1B1Z	E-1000D1C1Z	E-1000D1D1Z	E-1000D1A1SZ	E-1000D1B1SZ	E-1000D1C1SZ	E-1000D1D1SZ
Motor Horsepower	3	3	3	3	3	3	5	5	5	7 1/2	7 1/2	7 1/2	10	10	10	10	10	10	10	10
Operating Pressure in lbs./sq. in. on which capacities are based.	36	38	40	36	38	40	43	47	50	45	50	55	45	55	58	61	45	55	58	61
Pressure Range for Pneumatic Tank Operation	30-50	30-50	30-50	30-50	30-50	30-50	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60
CAPACITIES U. S. GALLONS PER HOUR																				
HEAD	20	3450	2700	1300	3500	2900	1600	4500	3500	2400	6500	6000	3400	9600	9000	6200	4000	9600	8900	6700
BELOW	25	3350	MAX.	MAX.	3500	MAX.	MAX.	4400	MAX.	MAX.	6400	MAX.	MAX.	9000	MAX.	MAX.	MAX.	9100	MAX.	MAX.
GROUND	30	3300	MAX.	MAX.	3450	MAX.	MAX.	4300	MAX.	MAX.	6350	MAX.	MAX.	8800	MAX.	MAX.	MAX.	8800	MAX.	MAX.
OR	35	3100	MAX.	MAX.	3250	MAX.	MAX.	4150	MAX.	MAX.	5900	MAX.	MAX.	8600	MAX.	MAX.	MAX.	8000	MAX.	MAX.
LIFT	40	3000	MAX.	MAX.	3150	MAX.	MAX.	4000	MAX.	MAX.	5800	MAX.	MAX.	8400	MAX.	MAX.	MAX.	7800	MAX.	MAX.
IN FEET	45	2750	MAX.	MAX.	2900	MAX.	MAX.	3850	MAX.	MAX.	5600	MAX.	MAX.	8200	MAX.	MAX.	MAX.	7600	MAX.	MAX.
50	2550	2100	MAX.	MAX.	2750	MAX.	MAX.	3700	MAX.	MAX.	5200	MAX.	MAX.	7000	MAX.	MAX.	MAX.	7200	MAX.	MAX.
55	2250	2100	MAX.	MAX.	2500	MAX.	MAX.	3550	MAX.	MAX.	5050	MAX.	MAX.	6700	MAX.	MAX.	MAX.	7000	MAX.	MAX.
60	2100	2100	MAX.	MAX.	2200	MAX.	MAX.	3400	MAX.	MAX.	4600	MAX.	MAX.	6300	MAX.	MAX.	MAX.	6800	MAX.	MAX.
65	2000	2000	MAX.	MAX.	2200	MAX.	MAX.	3200	MAX.	MAX.	4400	MAX.	MAX.	5900	MAX.	MAX.	MAX.	6600	MAX.	MAX.
70	1900	1900	MAX.	MAX.	2100	MAX.	MAX.	3000	MAX.	MAX.	4200	MAX.	MAX.	5400	MAX.	MAX.	MAX.	6300	MAX.	MAX.
75	1770	1770	MAX.	MAX.	2000	MAX.	MAX.	2900	MAX.	MAX.	4000	MAX.	MAX.	5200	MAX.	MAX.	MAX.	6000	MAX.	MAX.
80	1550	1550	MAX.	MAX.	1800	MAX.	MAX.	2650	MAX.	MAX.	3700	MAX.	MAX.	4800	MAX.	MAX.	MAX.	5800	MAX.	MAX.
85	1420	1420	MAX.	MAX.	1700	MAX.	MAX.	2500	MAX.	MAX.	3500	MAX.	MAX.	4600	MAX.	MAX.	MAX.	5600	MAX.	MAX.
90	1300	1300	MAX.	MAX.	1600	MAX.	MAX.	2450	MAX.	MAX.	3300	MAX.	MAX.	4500	MAX.	MAX.	MAX.	5450	MAX.	MAX.
95	1200	1200	MAX.	MAX.	1500	MAX.	MAX.	2300	MAX.	MAX.	3200	MAX.	MAX.	4400	MAX.	MAX.	MAX.	5300	MAX.	MAX.
100	1100	1100	MAX.	MAX.	1400	MAX.	MAX.	2150	MAX.	MAX.	3000	MAX.	MAX.	4200	MAX.	MAX.	MAX.	5100	MAX.	MAX.
110	950	950	MAX.	MAX.	1150	MAX.	MAX.	2000	MAX.	MAX.	2700	MAX.	MAX.	3800	MAX.	MAX.	MAX.	4800	MAX.	MAX.
120	800	800	MAX.	MAX.	950	MAX.	MAX.	1800	MAX.	MAX.	2400	MAX.	MAX.	3500	MAX.	MAX.	MAX.	4300	MAX.	MAX.
Size pressure pipe	2"	2 1/2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3"	3"	3"	3"
Size delivery pipe	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3"	3"	3"	3"
Minimum inside well diameter required	6 5/8"	6 5/8"	6 5/8"	8"	8"	8"	8"	8"	8"	8"	8"	8"	8"	8"	8"	8"	9"	9"	9"	9"





# MYERS *Ejecto* DEEP WELL PUMPS AND WATER SYSTEMS

REPRESENTED BY FIGS. 3135, 3136, 3137 AND 3138

FOR COMPLETE DESCRIPTION SEE PAGES 154 to 159

## PRICE LIST—TWIN TYPE

System Number	Tank Size	Motor Horse Power	Minimum Inside Well Dia. Required	Size Pressure Pipe	Size Delivery Pipe	Size Pump Discharge	Approximate Shipping Weight Complete	Code Word	Price Complete	Code Word	*Price Less Tank
E-25D2A1Z	42 Gal.	1/4	3"	3/4"	1"	3/4"	215 lbs.	UDBIA	\$109.00	UDMAF	\$ 90.00
E-50D1A1Z	42 Gal.	1/2	4"	1"	1 1/4"	3/4"	223 lbs.	UDBON	140.00	UDMEX	121.00
E-50D1B1Z	42 Gal.	1/2	4"	1"	1 1/4"	3/4"	223 lbs.	UDBUB	140.00	UDMIP	121.00
E-50D1A1SZ	42 Gal.	1/2	4 1/2"	1 1/4"	1 1/2"	3/4"	228 lbs.	UDCEH	147.00	UDMOC	128.00
E-50D1B1SZ	42 Gal.	1/2	4 1/2"	1 1/4"	1 1/2"	3/4"	228 lbs.	UDCIZ	147.00	UDMPA	128.00
E-75D1A1Z	82 Gal.	3/4	5"	1 1/4"	1 1/2"	1"	290 lbs.	UDDEG	190.00	UDMSU	157.00
E-75D1B1Z	82 Gal.	3/4	5"	1 1/4"	1 1/2"	1"	290 lbs.	UDDIY	190.00	UDMUQ	157.00
E-100D1A1Z	82 Gal.	1	5"	1 1/4"	1 1/2"	1"	320 lbs.	UDDUZ	211.00	UDMYI	178.00
E-100D1B1Z	82 Gal.	1	5"	1 1/4"	1 1/2"	1"	320 lbs.	UDEOK	211.00	UDNAE	178.00
E-100D1C1Z	82 Gal.	1	5"	1 1/4"	1 1/2"	1"	320 lbs.	UDEPI	211.00	UDNCA	178.00
E-100D1A1SZ	82 Gal.	1	5 1/2"	1 1/2"	2"	1"	328 lbs.	UDETA	219.00	UDNDY	186.00
E-100D1B1SZ	82 Gal.	1	5 1/2"	1 1/2"	2"	1"	328 lbs.	UDEWU	219.00	UDNEW	186.00
E-100D1C1SZ	82 Gal.	1	5 1/2"	1 1/2"	2"	1"	328 lbs.	UDFAM	219.00	UDNFU	186.00
E-150D1A1Z	82 Gal.	1 1/2	5 1/2"	1 1/2"	2"	1 1/2"	360 lbs.	UDFIW	279.00	UDNIO	246.00
E-150D1B1Z	82 Gal.	1 1/2	5 1/2"	1 1/2"	2"	1 1/2"	360 lbs.	UDFOJ	279.00	UDNLI	246.00
E-150D1C1Z	82 Gal.	1 1/2	5 1/2"	1 1/2"	2"	1 1/2"	360 lbs.	UDGAL	279.00	UDNOB	246.00
E-200D1A1Z	120 Gal.	2	6 5/8"	2"	2 1/2"	1 1/2"	464 lbs.	UDGED	329.50	UDNUP	288.00
E-200D1B1Z	120 Gal.	2	6 5/8"	2"	2 1/2"	1 1/2"	464 lbs.	UDGIV	329.50	UDNYH	288.00
E-200D1C1Z	120 Gal.	2	6 5/8"	2"	2 1/2"	1 1/2"	464 lbs.	UDGUW	329.50	UDOAD	288.00
E-300D1A1Z	220 Gal.	3	6 5/8"	2"	2 1/2"	2"	784 lbs.	UDHAK	437.00	UDOBH	358.00
E-300D1B1Z	220 Gal.	3	6 5/8"	2"	2 1/2"	2"	784 lbs.	UDHEC	437.00	UDOCZ	358.00
E-300D1C1Z	220 Gal.	3	6 5/8"	2"	2 1/2"	2"	784 lbs.	UDHOH	437.00	UDODX	358.00
E-300D1A1SZ	220 Gal.	3	8"	2 1/2"	3"	2"	804 lbs.	UDHUV	457.00	UDOEV	378.00
E-300D1B1SZ	220 Gal.	3	8"	2 1/2"	3"	2"	804 lbs.	UDIAJ	457.00	UDOFT	378.00
E-300D1C1SZ	220 Gal.	3	8"	2 1/2"	3"	2"	804 lbs.	UDIBH	457.00	UDOGR	378.00
E-500D1A1Z	315 Gal.	5	8"	2 1/2"	3"	2"	945 lbs.	UDICF	485.00	UDOHP	383.00
E-500D1B1Z	315 Gal.	5	8"	2 1/2"	3"	2"	945 lbs.	UDIEB	485.00	UDOIN	383.00
E-500D1C1Z	315 Gal.	5	8"	2 1/2"	3"	2"	945 lbs.	UDIFZ	485.00	UDOJL	383.00
E-750D1A1Z	525 Gal.	7 1/2	8"	2 1/2"	3"	2 1/2"	1188 lbs.	UDIGX	631.50	UDOKJ	498.00
E-750D1B1Z	525 Gal.	7 1/2	8"	2 1/2"	3"	2 1/2"	1188 lbs.	UDIHV	631.50	UDOLH	498.00
E-750D1C1Z	525 Gal.	7 1/2	8"	2 1/2"	3"	2 1/2"	1188 lbs.	UDIIT	631.50	UDOMF	498.00
E-1000D1A1Z	525 Gal.	10	8"	2 1/2"	3"	2 1/2"	1228 lbs.	UDIJR	691.50	UDONC	558.00
E-1000D1B1Z	525 Gal.	10	8"	2 1/2"	3"	2 1/2"	1228 lbs.	UDIKP	691.50	UDOOA	558.00
E-1000D1C1Z	525 Gal.	10	8"	2 1/2"	3"	2 1/2"	1228 lbs.	UDILN	691.50	UDOPY	558.00
E-1000D1D1Z	525 Gal.	10	8"	2 1/2"	3"	2 1/2"	1228 lbs.	UDIML	691.50	UDOPW	558.00
E-1000D1A1SZ	525 Gal.	10	9"	3"	4"	2 1/2"	1260 lbs.	UDINI	721.50	UDORU	588.00
E-1000D1B1SZ	525 Gal.	10	9"	3"	4"	2 1/2"	1260 lbs.	UDIOG	721.50	UDOSS	588.00
E-1000D1C1SZ	525 Gal.	10	9"	3"	4"	2 1/2"	1260 lbs.	UDIPE	721.50	UDOUO	588.00
E-1000D1D1SZ	525 Gal.	10	9"	3"	4"	2 1/2"	1260 lbs.	UDIRA	721.50	UDOVM	588.00

All motors listed are 60 cycle. 1/4 HP to 3 HP inclusive are Single Phase, 110/220 Volts. 5 HP to 10 HP inclusive are for 3 phase 220/440 volts.

Motor sizes up to and including 1 HP have Built-In Overload Protection. Larger than 1 HP motors should be installed with manual or automatic starters having thermal overload protection.

When 3 phase instead of Single Phase motors are furnished Add or Deduct the following: For 1 1/2 HP Add \$5.00. For 2 HP Deduct \$3.00. For 3 HP Deduct \$17.00. Special Switch included.

Direct Current Motors obtainable at extra price.

The Myers *Ejecto* Water System, complete as illustrated by Figs. 3135, 3136, 3137 and 3138 includes Vertical Centrifugal Pump and Motor Assembly, Automatic Pressure Regulator and Air Charger Valve, Pressure Switch, Pressure Gauge, Galvanized Pressure Tank, Fittings Between Pump and Tank, Automatic Air Control for tank, All Bronze Ejector Assembly and Foot Valve, and Connecting Fittings for Pressure Pipe in well.

\*"Price Less Tank" does not include Fittings Between Automatic Regulator and Tank or Automatic Air Control for tank.

The above prices do not include any Delivery or Pressure Pipes. This is regular galvanized standard pipe.

For Complete System using larger than Standard Galvanized Pressure Tank add to "Price Less Tank" the following: For 82 gallon \$33.00. 120 gallon \$41.50. 220 gallon \$79.00. 315 gallon \$102.00. 525 gallon \$133.50.

All pressure tanks are vertical except 525 gallon which is horizontal.

Sub-Base or Stand for Offset Pump Installation using 1/4, 1/2 and 3/4 HP Motors add to List \$5.00.

Sub-Base or Stand for Offset Pump Installation using 1, 1 1/2 and 2 HP Motors, add to List \$6.00.

In ordering the Myers *Ejecto* Pumps or Water Systems write your order in accordance with the following example: Example—Pump to deliver 500 gallons per hour with a lift out of the well of 45 feet. Turn to Page 161 and select the correct System Number from this chart. The System Number for this condition would be "E-50D1A1Z." If the Complete System is desired you would write your order as follows: "(Quantity) E-50D1A1Z for 45 ft. Lift." If the system is desired less tank order "E-50D1A1Z Less Tank for 45 ft. lift." Always specify the lift. This is necessary in selecting the proper Automatic Regulator Valve for the system. In ordering by code write "(Code Word) Forty-five," The forty-five meaning the lift from the well.

REPAIRS: See Last Section, No. R40 Repair Catalog



# MYERS

## MYERS EJECTO AUTOMATIC WATER SYSTEMS AND DEEP WELL PUMPS

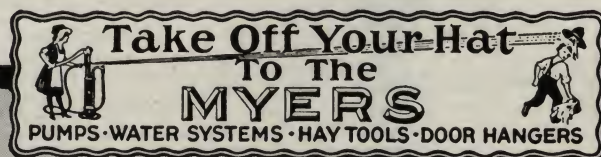
### DUPLEX TYPE

DESIGNED ESPECIALLY FOR SMALL  
DIAMETER WELLS

BUILT IN NINE SIZES

FOR PUMPING WATER FROM WELLS OF  
25 TO 120 FEET LOW WATER LEVELS

FOR REPAIRS  
SEE LAST SECTION, NO. R40  
REPAIR CATALOG



CENTRI-  
FUGALS

ACCES-  
ORIES

HAND  
SPRAY

POWER  
SPRAY

SPRAY  
ACCESS.

POWER  
WASHERS

HAY  
TOOLS

DOOR H.  
TORE L.

ENG.  
DATA

INDEXES





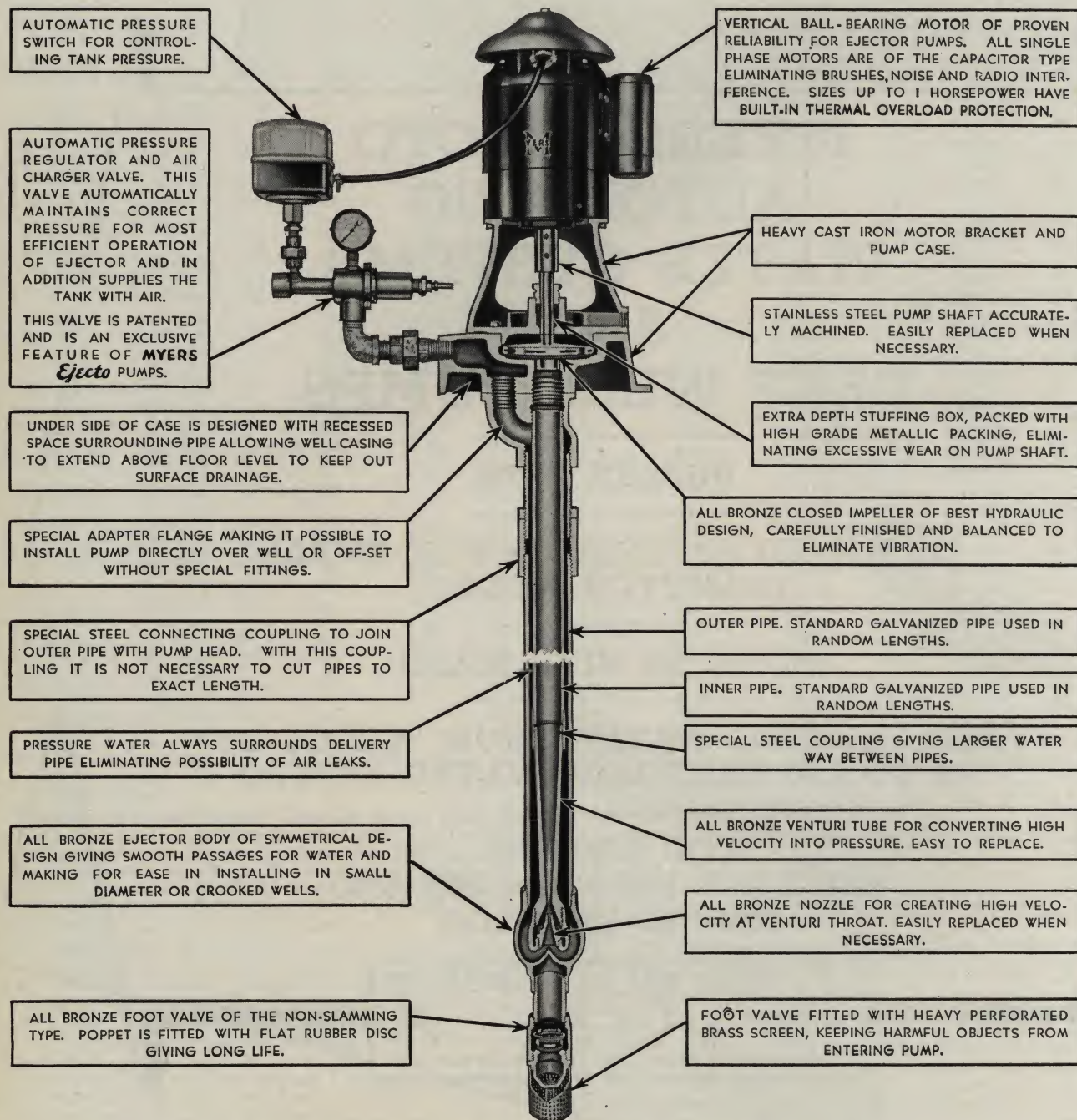
# MYERS *Ejecto* DEEP WELL PUMP

FOR PRESSURE TANK OR ELEVATED TANK SERVICE  
DESIGNED ESPECIALLY FOR SMALL DIAMETER WALLS

## DUPLEX TYPE

PATENTED

Fig. 3244



REPAIRS: See Last Section, No. R40 Repair Catalog





# MYERS *Ejecto* DEEP WELL AUTOMATIC WATER SYSTEM

## TYPICAL DUPLEX-TYPE

$\frac{1}{2}$  HP to 10 HP

Fig. 3140



FOR PUMPING FROM WELLS OF  
25 TO 120 FEET WATER LEVELS

Complete Automatic Control  
No Personal Attention Necessary

Fig. 3140 illustrates the Duplex-Type Myers *Ejecto* Water System as built in Sizes  $\frac{1}{2}$ — $\frac{3}{4}$  and 1 HP.

Larger Sizes, except for parts which go in well, are as illustrated on Pages 158 and 159.

The Duplex-Type is designed especially for small diameter wells. With this type it is possible to install a large size pump in a small diameter well. This will give greater capacity than would be possible with the Twin-Type in the same diameter well.

QUIET—DEPENDABLE—DURABLE

The Duplex-Type is of symmetrical rugged construction. This type is easy to install and attach to pump head. Construction is the same as in the Twin-Type except for the parts that go in the well.

The Duplex-Type is built in all Sizes of Myers *Ejecto* Pumps, except  $\frac{1}{4}$  HP.

The Duplex-Type may be located directly over the well or at a reasonable distance from the well as with the Twin-Type.

See Typical Installations on Pages 175 and 176.

No Moving Parts in the Well  
Only One Moving Part above Ground

Each Duplex-Type Myers *Ejecto* Water System includes, Vertical Centrifugal Pump direct connected to Vertical Ball-Bearing Motor, Automatic Pressure Regulator and Air Charger Valve, Pressure Switch, Pressure Gauge, Galvanized Pressure Tank, all Fittings between Pump and Tank, Automatic Air Volume Control, All Bronze Ejector Assembly and Foot Valve, Special Adapting Flange and Coupling for Connecting Outer Pipe to Pump Head and Special Couplings for Inner Pipe. Well Pipes Not Included.

FOR COMPLETE DESCRIPTION AND PERFORMANCE DATA SEE PAGES 154, 166 AND 167

FOR PRICE DATA SEE PAGE 168

CENTRI-  
FUGALS  
ACCE-  
SSORIES  
HAND  
SPRAY  
POWER  
SPRAY  
SPRAY  
ACCESS  
POWER  
WASHERS  
HAY  
TOOLS  
DOOR H.  
TORE L.  
ENG.  
DATA  
INDEXES





# SELECTION INSTRUCTIONS FOR MYERS *Ejecto* DEEP WELL PUMPS AND WATER SYSTEMS

## DUPLEX-TYPE

PATENTED

See Opposite Page

To select proper system for conditions desired, use chart as follows: First determine required lift from well. This lift must be the distance from the water level in the well to the ground surface when the pump is operating. To determine this lift it is necessary to estimate the water draw-down for the capacity desired. Usually the dealer or well driller in a certain locality has a good knowledge of the draw-down conditions of wells and should be able to estimate this lift quite accurately. To get the best results it is important that this estimated lift be determined within 10 feet of the actual operating lift.

After determining this lift follow horizontally across chart on the line showing the lift and find the capacity in gallons per hour desired. At this point go to bottom of column and check the minimum well size required. If your well size is smaller than the minimum required, it will be necessary to drop back to a smaller size job. After selecting proper pump, note System Number at the top of the column and turn to Page 168 for price and ordering data.

In selecting pumps for stock, exact lift must be given or the range shown between horizontal lines must be used. The name plate on each pump gives the lift range for which pump is designed and for which it must be used to obtain capacities shown on performance table.

If pump is installed for a certain pumping lift and well is found to be stronger than estimated making lift less, the following will illustrate performance to expect:

**EXAMPLE:** Pump to deliver 360 gallons per hour at 55 ft. lift. This requires system E-50D1B1Y. The table shows capacities for this system only between range of 50 to 90 feet. Now if lift is only 40 feet instead of 55 feet as estimated it will be necessary to take capacity for 40 ft. lift shown for system E-50D1A1Y, and reduce 15% to arrive at capacity

that system E-50D1B1Y will deliver at a 40 ft. lift.

This rule applies throughout chart providing water does not come more than 20 feet above top line of range shown. If more than 20 feet above range capacity will be approximately maximum shown.

The performances shown are based on having the Ejector Assembly installed at from five to ten feet below the pumping water level. In case well is weak, or where draw-down is uncertain, a 35 foot tail pipe should be installed below Ejector Assembly with the Foot Valve at bottom of tail pipe, to prevent loss of priming. See typical installation "D," Page 176.

In case of a weak well where it is necessary to use a tail pipe certain precautions must be taken in figuring performance. The lift will determine the capacity that will be delivered, the same as with a regular job. The lift will be the total distance from the water level in the well to ground surface when pump is operating, even though part of the lift is made up of suction lift below the Ejector assembly. In calculating capacity for suction lifts below the ejector assembly, the figures in the performance chart will apply for suction of 15 ft. or less. For greater suction lift, capacity will drop off gradually as the water level recedes. This is a desirable characteristic, since delivery is thus automatically adjusted to the flow of the well.

The capacities in the table are based on the surface operating pressures shown. These operating pressures are the minimum at which the Ejector will operate properly. If the pump is used for overhead tank or surface discharge, it will be necessary to maintain the operating pressures shown even though the required pressure above ground is considerably less.

Any of the systems shown may be installed away from the well. For horizontal piping from well to pump see charts on pages 183 and 184.

Do not use these pumps for lifts greater than shown in table.





# PERFORMANCE CHART FOR MYERS *Ejecto* DEEP WELL PUMPS

FOR PUMPING INTO PRESSURE TANK OR ELEVATED TANK

## DUPLEX TYPE SIZES 1/2 HP TO 2 HP

SYSTEM NUMBER	E-50D1A1Y	E-50D1B1Y	E-75D1A1Y	E-75D1B1Y	E-100D1A1Y	E-100D1B1Y	E-100D1C1Y	E-150D1A1Y	E-150D1B1Y	E-150D1C1Y	E-150D1A1S	E-150D1B1S	E-150D1C1S	E-200D1A1Y	E-200D1B1Y	E-200D1C1Y	E-200D1A1S	E-200D1B1S	E-200D1C1S
Motor Horsepower	1/2	1/2	3/4	3/4	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	2	2	2	2	2	2
Operating Pressure in lbs. / sq. in. on which Capacities are based.	20	22	25	25	27	27	30	30	30	33	30	30	33	33	35	35	33	35	35
Pressure Range for Pneumatic Tank Operation	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40
CAPACITIES U. S. GALLONS PER HOUR																			
HEAD	20	690	480	1020	680	1300	1100	590	1350	1100	650	1600	1300	750	1650	1500	870	1970	1780
	25	650	450	970	640	1250	1070	560	1300	1070	620	1550	1250	720	1600	1450	840	1900	1730
	30	630	430	920	620	1200	1020	540	1250	1020	600	1500	1200	700	1540	1400	820	1830	1680
	35	590	MAX.	810	MAX.	1070	MAX.	510	1200	MAX.	570	1430	MAX.	670	1490	MAX.	790	1770	MAX.
	40	540	MAX.	780	MAX.	1020	MAX.	490	1120	MAX.	540	1330	MAX.	640	1450	MAX.	770	1720	MAX.
	45	470	MAX.	720	MAX.	950	MAX.	460	1070	MAX.	510	1230	MAX.	610	1390	MAX.	720	1600	MAX.
BELOW GROUND	50	400	400	650	760	760	710	400	900	830	MAX.	1070	990	MAX.	1180	MAX.	1410	1360	1310
	55	360	360	580	710	660	330	350	830	810	MAX.	990	960	MAX.	1140	MAX.	1310	1260	1210
OR LIFT	65	270	450	450	600	540	490	440	750	700	650	900	840	710	1040	980	1240	1170	1080
	70	240	420	420	560	500	440	400	700	650	600	840	780	630	980	900	1170	1100	1030
	75	200	390	390	500	440	350	330	600	540	510	710	630	590	830	720	990	860	830
IN FEET	80	180	350	320	440	330	300	260	500	470	440	590	560	530	720	630	830	750	700
	85	150	320	290	400	330	260	220	470	400	320	560	480	480	630	590	700	630	570
	90	110	290	260	350	260	220	180	440	350	260	530	450	380	600	560	670	600	540
	95	100	260	230	320	230	180	150	410	320	230	500	420	350	570	530	640	570	510
	100	90	230	200	290	200	150	120	380	290	200	470	390	320	540	500	610	540	480
	110	80	200	170	260	170	120	90	350	260	170	440	360	290	510	470	580	510	450
	120	70	170	140	230	140	90	60	320	230	140	410	330	260	480	440	550	480	420
Size Inner Pipe	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"
Size Outer Pipe	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Minimum Inside Well Diameter Required	3"	3"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	4"	4"	4"	4"	4"	4"	5"	5"

## SIZES 3 HP TO 10 HP

† USES TURNED COUPLINGS

SYSTEM NUMBER	E-300D1A1Y	E-300D1B1Y	E-300D1C1Y	E-300D1A1S	E-300D1B1S	E-300D1C1S	E-500D1A1Y	E-500D1B1Y	E-500D1C1Y	E-750D1A1Y	E-750D1B1Y	E-750D1C1Y	E-1000D1A1Y	E-1000D1B1Y	E-1000D1C1Y	E-1000D1A1S	E-1000D1B1S	E-1000D1C1S	E-1000D1D1S
Motor Horsepower	3	3	3	3	3	3	5	5	5	7 1/2	7 1/2	7 1/2	10	10	10	10	10	10	10
Operating Pressure in lbs. / sq. in. on which Capacities are based.	36	38	40	36	38	40	43	47	50	45	50	55	45	55	58	61	45	55	58
Pressure Range for Pneumatic Tank Operation	30-50	30-50	30-50	30-50	30-50	30-50	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60
CAPACITIES U. S. GALLONS PER HOUR																			
HEAD	20	3100	2500	1200	3150	2600	1500	3800	3100	2100	5200	4400	3000	7700	7000	5000	3400	8600	8300
	25	3000	2400	1100	3050	2500	1400	3700	3000	2000	5100	4300	2900	7600	6900	4900	3300	8500	8200
	30	2950	2350	1050	2950	2450	1350	3650	2950	1950	5050	4250	2850	7550	6850	4850	3250	8450	8150
	35	2800	MAX.	950	2800	2350	1250	3500	2800	1850	4900	4150	2750	7400	6750	4750	3150	8350	8100
	40	2700	MAX.	900	2700	2300	1200	3400	2700	1800	4800	4050	2650	7300	6650	4650	3050	8250	8000
	45	2450	MAX.	850	2450	2250	1150	3250	2550	1750	4650	3900	2550	7150	6500	4550	2950	8100	7850
BELOW GROUND	50	2300	MAX.	800	2300	2200	1100	3150	2450	1700	4550	3800	2450	7050	6400	4450	2850	8000	7750
	55	2000	MAX.	750	2000	2150	1050	3050	2350	1650	4450	3700	2350	6950	6300	4350	2750	7900	7650
	60	1880	MAX.	700	1880	2100	1000	2950	2300	1600	4350	3600	2250	6850	6200	4250	2650	7800	7550
OR LIFT	65	1800	MAX.	650	1800	2050	950	2850	2250	1550	4250	3500	2150	6750	6100	4150	2550	7700	7450
	70	1700	MAX.	600	1700	2000	900	2750	2200	1500	4150	3400	2050	6650	6000	4050	2450	7600	7350
	75	1600	MAX.	550	1600	1950	850	2650	2150	1450	4050	3300	1950	6550	5900	3950	2350	7500	7250
IN FEET	80	1400	MAX.	500	1400	1900	800	2550	2100	1400	3950	3200	1850	6450	5800	3850	2250	7400	7150
	85	1280	MAX.	450	1280	1850	750	2450	2050	1350	3850	3100	1750	6350	5700	3750	2150	7300	7050
	90	1170	MAX.	400	1170	1800	700	2350	2000	1300	3750	3000	1650	6250	5600	3650	2050	7200	6950
	95	1080	MAX.	350	1080	1750	650	2250	1950	1250	3650	2900	1550	6150	5500	3550	1950	7100	6850
	100	1000	MAX.	300	1000	1700	600	2150	1900	1200	3550	2800	1450	6050	5400	3450	1850	7000	6750
	110	850	MAX.	250	850	1650	550	2050	1850	1150	3450	2700	1350	5950	5300	3350	1750	6900	6650
	120	720	MAX.	200	720	1600	500	1950	1800	1100	3350	2600	1250	5850	5200	3250	1650	6800	6550
Size Inner Pipe	2 1/4"	2 1/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3"	3"	3"
Size Outer Pipe	3 1/2"	3 1/2"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	4"	4"	4"
Minimum Inside Well Diameter Required	5"	5"	5"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	7"	7"	7"





# MYERS *Ejecto* DEEP WELL PUMPS AND WATER SYSTEMS

REPRESENTED BY FIG. 3140. FOR COMPLETE DESCRIPTION SEE PAGE 164.

## PRICE LIST—DUPLIX TYPE

System Number	Tank Size	Motor Horse Power	Min. Inside Well Dia. Required	Size Inner Pipe	Size Outer Pipe	Size Pump Discharge	Approximate Ship. Weight Complete	Code Word	Price Complete	Code Word	*Price Less Tank
E-50D1A1Y	42 Gal.	1/2	3"	1 1/4"	2"	3/4"	230 lbs.	UBALT	\$147.00	UCABO	\$128.00
E-50D1B1Y	42 Gal.	1/2	3"	1 1/4"	2"	3/4"	230 lbs.	UBANO	147.00	UCAGE	128.00
E-75D1A1Y	82 Gal.	3/4	3 3/4"	1 1/2"	2 1/2"	1"	300 lbs.	UBAVY	197.00	UCALU	164.00
E-75D1B1Y	82 Gal.	3/4	3 3/4"	1 1/2"	2 1/2"	1"	300 lbs.	UBBEG	197.00	UCBAP	164.00
E-100D1A1Y	82 Gal.	1	3 3/4"	1 1/2"	2 1/2"	1"	332 lbs.	UBBOL	218.00	UCBIZ	185.00
E-100D1B1Y	82 Gal.	1	3 3/4"	1 1/2"	2 1/2"	1"	332 lbs.	UBCAN	218.00	UCBOM	185.00
E-100D1C1Y	82 Gal.	1	3 3/4"	1 1/2"	2 1/2"	1"	332 lbs.	UBCEF	218.00	UCCEG	185.00
E-150D1A1Y	82 Gal.	1 1/2	3 3/4"	1 1/2"	2 1/2"	1 1/2"	372 lbs.	UBCUY	286.00	UCCYI	253.00
E-150D1B1Y	82 Gal.	1 1/2	3 3/4"	1 1/2"	2 1/2"	1 1/2"	372 lbs.	UBDAM	286.00	UCCOL	253.00
E-150D1C1Y	82 Gal.	1 1/2	3 3/4"	1 1/2"	2 1/2"	1 1/2"	372 lbs.	UBDIW	286.00	UCCUZ	253.00
E-150D1A1SY	82 Gal.	1 1/2	4"	2"	3"	1 1/2"	375 lbs.	UBDOJ	287.00	UCDAN	254.00
E-150D1B1SY	82 Gal.	1 1/2	4"	2"	3"	1 1/2"	375 lbs.	UBENK	287.00	UCDEF	254.00
E-150D1C1SY	82 Gal.	1 1/2	4"	2"	3"	1 1/2"	375 lbs.	UBESA	287.00	UCDOK	254.00
E-200D1A1Y	120 Gal.	2	4"	2"	3"	1 1/2"	480 lbs.	UBETY	337.50	UCDUY	296.00
E-200D1B1Y	120 Gal.	2	4"	2"	3"	1 1/2"	480 lbs.	UBEVU	337.50	UCECI	296.00
E-200D1C1Y	120 Gal.	2	4"	2"	3"	1 1/2"	480 lbs.	UBFAK	337.50	UCEGA	296.00
E-200D1A1SY	120 Gal.	2	5"	2 1/2"	3 1/2"	1 1/2"	485 lbs.	UBFEC	342.00	UCEHY	300.50
E-200D1B1SY	120 Gal.	2	5"	2 1/2"	3 1/2"	1 1/2"	485 lbs.	UBFLO	342.00	UCEMO	300.50
E-200D1C1SY	120 Gal.	2	5"	2 1/2"	3 1/2"	1 1/2"	485 lbs.	UBFOH	342.00	UCFAL	300.50
E-300D1A1Y	220 Gal.	3	5"	2 1/2"	3 1/2"	2"	800 lbs.	UBFUV	449.50	UCFED	370.50
E-300D1B1Y	220 Gal.	3	5"	2 1/2"	3 1/2"	2"	800 lbs.	UBGAJ	449.50	UCFIV	370.50
E-300D1C1Y	220 Gal.	3	5"	2 1/2"	3 1/2"	2"	800 lbs.	UBGEB	449.50	UCFUW	370.50
E-300D1A1SY	220 Gal.	3	6"	2 1/2"	4"	2"	810 lbs.	UBGIT	470.00	UCGAK	391.00
E-300D1B1SY	220 Gal.	3	6"	2 1/2"	4"	2"	810 lbs.	UBGOG	470.00	UCGEC	391.00
E-300D1C1SY	220 Gal.	3	6"	2 1/2"	4"	2"	810 lbs.	UBHIS	470.00	UCGLO	391.00
E-500D1A1Y	315 Gal.	5	6"	2 1/2"	4"	2"	962 lbs.	UBHOF	500.00	UCGOH	398.00
E-500D1B1Y	315 Gal.	5	6"	2 1/2"	4"	2"	962 lbs.	UBHUT	500.00	UCGUV	398.00
E-500D1C1Y	315 Gal.	5	6"	2 1/2"	4"	2"	962 lbs.	UBING	500.00	UCHAJ	398.00
E-750D1A1Y	525 Gal.	7 1/2	6"	2 1/2"	4"	2 1/2"	1210 lbs.	UBIRY	646.50	UCHEB	513.00
E-750D1B1Y	525 Gal.	7 1/2	6"	2 1/2"	4"	2 1/2"	1210 lbs.	UBITU	646.50	UCHIT	513.00
E-750D1C1Y	525 Gal.	7 1/2	6"	2 1/2"	4"	2 1/2"	1210 lbs.	UBIWO	646.50	UCHOG	513.00
E-1000D1A1Y	525 Gal.	10	6"	2 1/2"	4"	2 1/2"	1250 lbs.	UBJAG	706.50	UCIFY	573.00
E-1000D1B1Y	525 Gal.	10	6"	2 1/2"	4"	2 1/2"	1250 lbs.	UBJEY	706.50	UCIHU	573.00
E-1000D1C1Y	525 Gal.	10	6"	2 1/2"	4"	2 1/2"	1250 lbs.	UBJOD	706.50	UCIKO	573.00
E-1000D1D1Y	525 Gal.	10	6"	2 1/2"	4"	2 1/2"	1250 lbs.	UBJUR	706.50	UCJAH	573.00
E-1000D1A1SY	525 Gal.	10	7"	3"	5"	2 1/2"	1265 lbs.	UBKAF	736.50	UCJEZ	603.00
E-1000D1B1SY	525 Gal.	10	7"	3"	5"	2 1/2"	1265 lbs.	UBKIP	736.50	UCJIR	603.00
E-1000D1C1SY	525 Gal.	10	7"	3"	5"	2 1/2"	1265 lbs.	UBKOC	736.50	UCJUS	603.00
E-1000D1D1SY	525 Gal.	10	7"	3"	5"	2 1/2"	1265 lbs.	UBKVO	736.50	UCKAG	603.00

All motors listed are 60 cycle. 1/2 HP to 3 HP inclusive are Single Phase, 110/220 Volts. 5 HP to 10 HP inclusive are for 3 Phase 220/440 Volts.

Motor sizes up to and including 1 HP have Built-In Overload Protection. Larger than 1 HP Motors should be installed with manual or automatic starters having thermal overload protection.

When 3 Phase instead of Single Phase motors are furnished Add or Deduct the following: For 1 1/2 HP Add \$5.00. For 2 HP Deduct \$3.00. For 3 HP Deduct \$17.00. For all other sizes when a special motor is furnished there will be an additional charge. Special Switch included.

Direct Current Motors obtainable at extra price.

The Myers *Ejecto* Water System, complete as illustrated by Fig. 3140 includes Vertical Centrifugal Pump and Motor Assembly, Automatic Pressure Regulator and Air Charger Valve, Pressure Switch, Pressure Gauge, Galvanized Pressure Tank, Fittings Between Pump and Tank, Automatic Air Control for tank, All Bronze Ejector Assembly and Foot Valve, Special Adapting Flange for Pump Head and Turned Couplings for Inner Pipe.

\*"Price less Tank" does not include Fittings Between Automatic Regulator and Tank or Automatic Air Control for tank.

†Uses Turned Couplings—\$1.00 Extra Per Coupling.

The above prices do not include any Inner or Outer pipes in well. This is regular galvanized standard pipe.

For Complete System using larger than Standard Galvanized Pressure Tank add to "Price Less Tank" the following: For 82 gallon \$33.00. 120 gallon \$41.50. 220 gallon \$79.00. 315 gallon \$102.00. 525 gallon \$133.50.

All pressure tanks are vertical except 525 gallon which is horizontal.

Sub-Base or Stand for Offset Pump Installation using 1/2 and 3/4 HP Motors, add to List \$5.00.

Sub-Base or Stand for Offset Pump Installation using 1, 1 1/2 and 2 HP Motors, add to List \$6.00.

In ordering the Myers *Ejecto* Pumps or Water Systems write your order in accordance with the following example: Example—Pump to deliver 470 gallons per hour with a lift out of the well of 45 feet. Turn to Page 167 and select the correct System Number from this chart. The System Number for this condition would be "E-50D1A1Y." If the Complete System is desired you would write your order as follows: "(Quantity) E-50D1A1Y for 45 ft. lift." If the system is desired Less Tank order "E-50D1A1Y Less Tank for 45 ft. lift." Always specify the lift. This is necessary in selecting the proper Automatic Regulator Valve for the system. In ordering by code write "(Code Word) Forty-five," the forty-five meaning the lift from the well.

Order must specify if for off-set installation.

Sub-Base will not be furnished unless specified.



# MYERS

## MYERS EJECTO AUTOMATIC WATER SYSTEMS AND DEEP WELL PUMPS

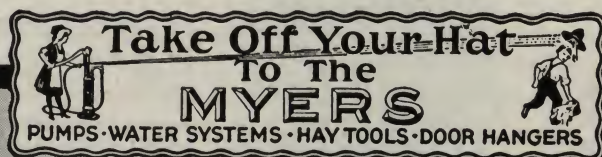
### PACKER TYPE

USES WELL CASING FOR PRESSURE PIPE

BUILT IN SIX SIZES

FOR PUMPING WATER FROM WELLS OF  
25 TO 120 FEET LOW WATER LEVELS

FOR REPAIRS  
SEE LAST SECTION, NO. R40  
REPAIR CATALOG



CENTRI-  
FUGALS

ACCES-  
ORIES

HAND  
SPRAY

POWER  
SPRAY

SPRAY  
ACCESS.

POWER  
WASHERS

HAY  
TOOLS

DOOR H.  
TORE L.

ENC.  
DATA

INDEXES



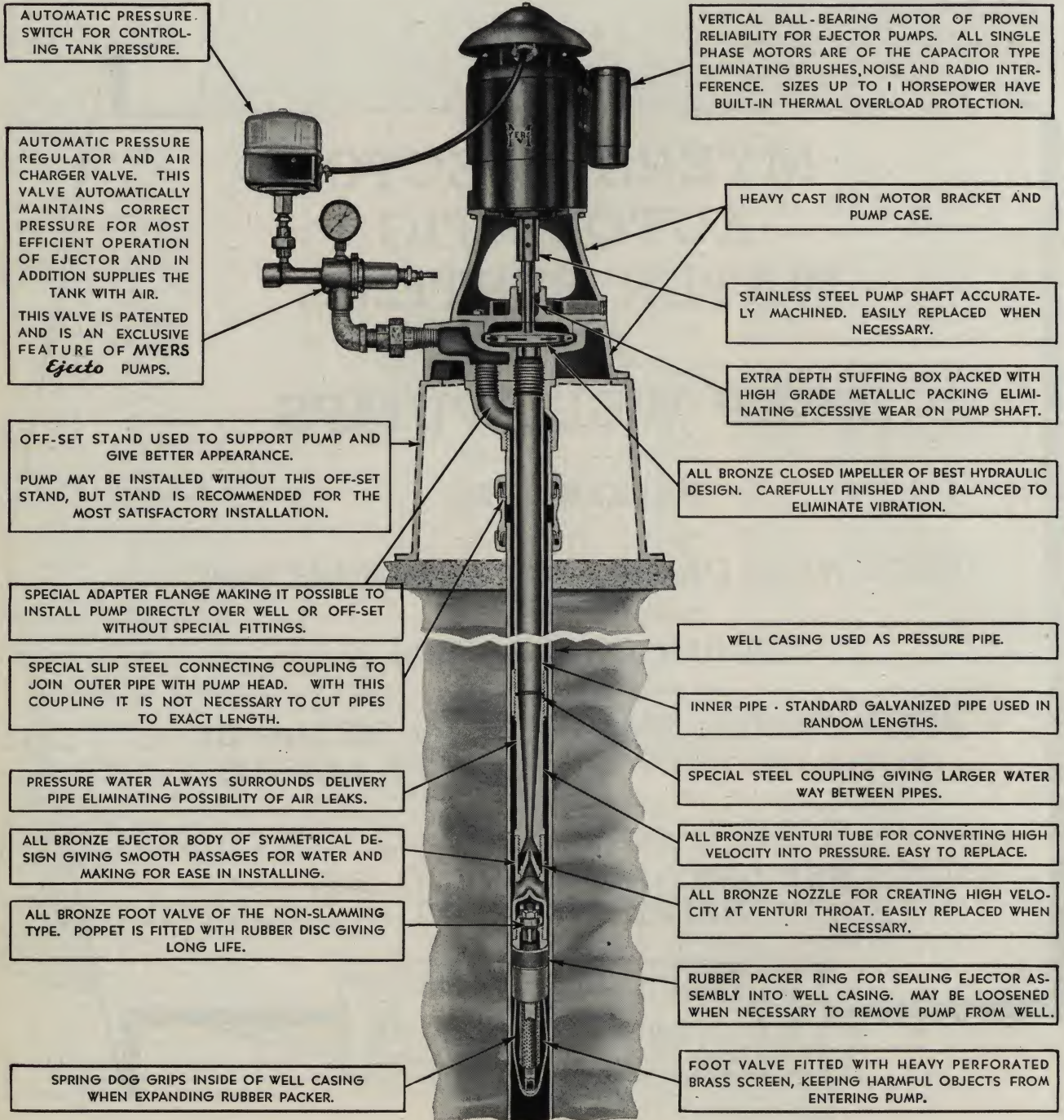


# MYERS *Ejecto* DEEP WELL PUMP

FOR PRESSURE TANK OR ELEVATED TANK SERVICE  
DESIGNED ESPECIALLY FOR SMALL DIAMETER WELLS

## PACKER-TYPE

Fig. 3245





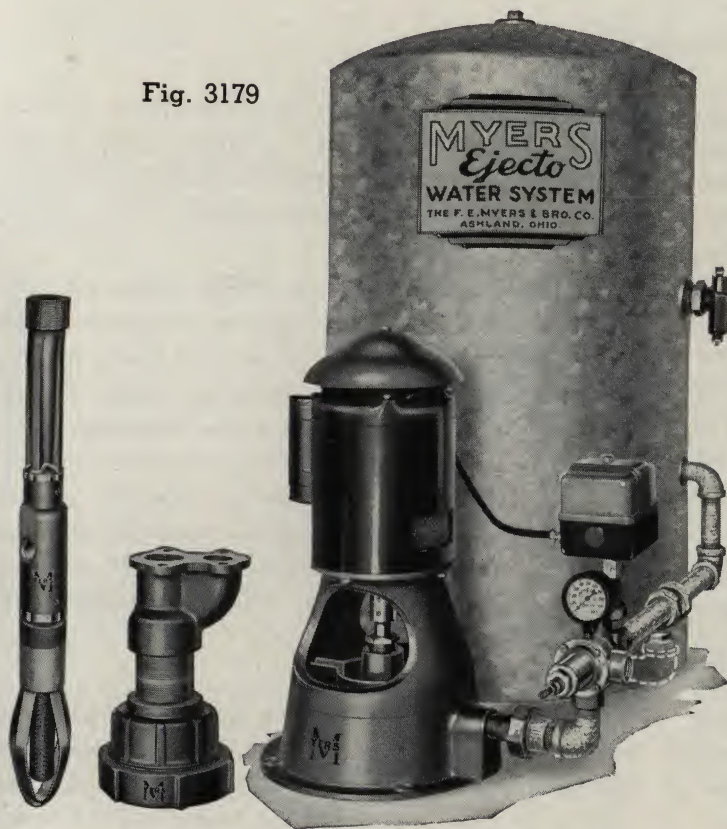


# MYERS *Ejecto* DEEP WELL AUTOMATIC WATER SYSTEM

## TYPICAL PACKER-TYPE

$\frac{1}{4}$  HP TO 2 HP

Fig. 3179



FOR PUMPING FROM WELLS OF  
25 TO 120 FEET WATER LEVELS

Complete Automatic Control  
No Personal Attention Necessary

Fig. 3179 illustrates the Packer-Type Myers *Ejecto* Water System as built in SIZES  $\frac{1}{4}$  to 2 HP.

This Type *Ejecto* Pump is designed especially for small diameter wells. With this type the well pipe is used as the pressure pipe making it necessary to install only one pipe in the well. This gives a reliable efficient pump at low first cost.

This type pump will deliver higher capacities for a given well size than either the Twin or Duplex types.

These pumps are made for 2", 2 $\frac{1}{2}$ " and 3" wells only.

QUIET—DEPENDABLE—DURABLE

The Packer-Type is of symmetrical rugged construction. This type is easy to install and attach to pump head. Construction is the same as in the Duplex-Type except for the parts that go in the well.

The Packer-Type may be located directly over

the well or at a reasonable distance from the well as with the Duplex-Type.

See Typical Installations "A" and "B" Page 175.

No Moving Parts in the Well

Only One Moving Part above Ground

Each Packer-Type Myers *Ejecto* Water System includes, Vertical Centrifugal Pump direct connected to Vertical Ball-Bearing Motor, Automatic Pressure Regulator and Air Charger Valve, Pressure Switch, Pressure Gauge, Galvanized Pressure Tank, all Fittings between Pump and Tank, Automatic Air Volume Control, All Bronze Ejector Assembly and Foot Valve, Well Packer, Special Adapting Flange and Coupling for Connecting Well Casing to Pump Head and Special Couplings for Inner Pipe. Well Pipe Not Included.

FOR COMPLETE DESCRIPTION AND PERFORMANCE DATA SEE PAGES 154, 172 AND 173

FOR PRICE DATA SEE PAGE 174





# SELECTION INSTRUCTIONS FOR MYERS *Ejecto* DEEP WELL PUMPS AND WATER SYSTEMS **PACKER-TYPE**

See Opposite Page

To select proper system for conditions desired, use chart as follows: First determine required lift from well. This lift must be the distance from the water level in the well to the ground surface when the pump is operating. To determine this lift it is necessary to estimate the water draw-down for the capacity desired. Usually the dealer or well driller in a certain locality has a good knowledge of the draw-down conditions of wells and should be able to estimate this lift quite accurately. To get the best results it is important that this estimated lift be determined within 10 feet of the actual operating lift.

After determining the lift follow horizontally across chart on the line showing lift and find capacity in gallons per hour required. At this point go to bottom of column and check well size required. If your well is smaller than that listed follow back to left until system with proper well size is found. If your well is larger than that listed follow to the right for proper system.

These pumps are made for use in wells of 2", 2½" and 3" diameter only, so your well size must be one of these three in order to use this Packer Type. For other size wells refer to Twin-Type or Duplex-Type *Ejecto* Pumps listed in this catalog.

After selecting proper pump note system number at top of column and turn to page 174 for price and ordering data.

In selecting pumps for stock, exact lift must be given or the range shown between horizon-

tal lines must be used. The name plate on each pump gives the lift range for which pump is designed and for which it must be used to obtain capacities shown on performance table.

The Packer-Type *Ejecto* Pump never requires a tail pipe as the well itself acts as a tail pipe. With this type of pump if there is any doubt as to the capacity of the well it is advisable to set the Ejector assembly 20 or 30 feet below the standing water level if well depth will permit. In case of a shallow well having only 10 or 15 feet of water the ejector assembly should be set as near the bottom as possible, for if the Ejector is required to operate with a heavy vacuum the pump capacity will be reduced materially.

The fact that the suction on this type of pump is sealed from the air at all times makes it impossible for the pump to lose prime, unless air is taken in at bottom of well because of the water pulling down below top of well screen.

The capacities in the table are based on the surface operating pressures shown. These operating pressures are the minimum at which the Ejector will operate properly. If the pump is used for overhead tank or surface discharge, it will be necessary to maintain the operating pressures shown even though the required pressure above ground is considerably less.

Any of the systems shown may be installed away from the well. For horizontal piping from well to pump see charts on pages 183 and 184.

Do not use these pumps for lifts greater than shown in table.





## PERFORMANCE CHART FOR MYERS *Ejecto* DEEP WELL PUMPS

## FOR PUMPING INTO PRESSURE TANK OR ELEVATED TANK

FOR COMPLETE DESCRIPTION SEE FIG. 3245, PAGE 170

## PACKER-TYPE SIZES 1/4 HP TO 3/4 HP

SYSTEM NUMBER		E-25D2A1X-2	E-25D2A1X-2½	E-25D2A1X-3	E-50D1A1X-2	E-50D1B1X-2	E-50D1A1X-2½	E-50D1B1X-2½	E-50D1A1X-3	E-50D1B1X-3	E-75D1A1X-2½	E-75D1B1X-2½	E-75D1A1X-3	E-75D1B1X-3
Motor Horsepower		¼	¼	¼	½	½	½	½	½	½	¾	¾	¾	¾
Operating Pressure in lbs./sq. in. on which capacities are based.		25	25	25	20	22	20	22	20	22	25	25	25	25
Pressure Range for Pneumatic Tank Operation		20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40	20-40
CAPACITIES U. S. GALLONS PER HOUR														
HEAD		390	430	430	690	480	730	520	730	520	1020	680	1090	620
25		360	400	400	650	↑	700	↑	700	↑	970	↑	1030	↑
30		330	360	360	630	↑	680	↑	680	↑	920	↑	980	↑
35		300	330	330	590	MAX.	660	MAX.	660	MAX.	810	MAX.	870	MAX.
40		260	290	290	540	↓	620	↓	620	↓	780	↓	830	↓
45		230	260	260	470	↓	550	↓	550	↓	720	↓	770	↓
50		200	230	230	400	↓	460	↓	460	↓	650	↓	690	↓
55		180	210	210	360	↓	420	↓	420	↓	580	↓	610	↓
60		150	180	180	310	↓	380	↓	380	↓	510	↓	550	↓
65		120	150	150	270	↓	340	↓	340	↓	450	↓	480	↓
70					240	↓	300	↓	300	↓		450	450	450
75					200	↓	270	↓	270	↓		420	420	420
80					180	↓	240	↓	240	↓		390	390	390
85					150	↓	210	↓	210	↓		360	360	360
90					110	↓	180	↓	180	↓		330	330	330
95												300	300	300
100												270	270	270
110												240	240	240
120												210	210	210
SIZE INNER PIPE		1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"
WELL SIZE		2"	2½"	3"	2"	2"	2½"	2½"	3"	3"	2½"	2½"	3"	3"

**\*USES TURNED COUPLINGS  
ALL OTHER SIZES USE REGULAR COUPLINGS**

## SIZE 1 HP TO 2 HP

[illegible]CENTRI-  
FUGALS

**AGULS-  
SORIES**

**HAND  
SPRAY**

POWER  
SPRAYSPRAY  
ACCESS

## POWER WASHERS

## HAY TOOLS

DATA





# MYERS *Ejecto* DEEP WELL PUMPS AND WATER SYSTEMS

REPRESENTED BY FIG. 3179 FOR COMPLETE DESCRIPTION SEE PAGE 170.

## PRICE LIST—PACKER-TYPE

System Number	Tank Size	Motor Horse Power	Inside Well Dia. Required	Size Inner Pipe	Size Pump Discharge	Approximate Ship. Weight Complete	Code Word	Price Complete	Code Word	*Price Less Tank
E-25D2A1X-2	42 gal.	1/4	2	† 1 1/4	3/4	220	UBNIM	\$116.00	UBTAW	\$ 97.00
E-25D2A1X-2 1/2	42 gal.	1/4	2 1/2	1 1/4	3/4	220	UBOET	118.00	UBTUH	99.00
E-25D2A1X-3	42 gal.	1/4	3	1 1/4	3/4	220	UBONA	120.00	UBVEM	101.00
E-50D1A1X-2	42 gal.	1/2	2	† 1 1/4	3/4	230	UBNOZ	147.00	UBTIG	128.00
E-50D1B1X-2	42 gal.	1/2	2	† 1 1/4	3/4	230	UBNUN	147.00	UBTLA	128.00
E-50D1A1X-2 1/2	42 gal.	1/2	2 1/2	1 1/4	3/4	230	UBOTO	149.00	UBVOR	130.00
E-50D1B1X-2 1/2	42 gal.	1/2	2 1/2	1 1/4	3/4	230	UBPES	149.00	UBVUF	130.00
E-50D1A1X-3	42 gal.	1/2	3	1 1/4	3/4	230	UBPIK	151.00	UBWAT	132.00
E-50D1B1X-3	42 gal.	1/2	3	1 1/4	3/4	230	UBPUL	151.00	UBWEL	132.00
E-75D1A1X-2 1/2	82 gal.	3/4	2 1/2	† 1 1/2	1	300	UBRAY	197.00	UBWID	164.00
E-75D1B1X-2 1/2	82 gal.	3/4	2 1/2	† 1 1/2	1	300	UBROV	197.00	UBYAR	164.00
E-75D1A1X-3	82 gal.	3/4	3	1 1/2	1	300	UBRUJ	200.00	UBYEJ	167.00
E-75D1B1X-3	82 gal.	3/4	3	1 1/2	1	300	UBSEP	200.00	UBYIB	167.00
E-100D1A1X-2 1/2	82 gal.	1	2 1/2	† 1 1/2	1	332	UBSIH	218.00	UBZON	185.00
E-100D1B1X-2 1/2	82 gal.	1	2 1/2	† 1 1/2	1	332	UBSYA	218.00	UBZUB	185.00
E-100D1C1X-2 1/2	82 gal.	1	2 1/2	† 1 1/2	1	332	UCLAF	218.00	UCORT	185.00
E-100D1A1X-3	82 gal.	1	3	1 1/2	1	332	UCLIP	221.00	UCPAB	188.00
E-100D1B1X-3	82 gal.	1	3	1 1/2	1	332	UCLVO	221.00	UCPET	188.00
E-100D1C1X-3	82 gal.	1	3	1 1/2	1	332	UCMEW	221.00	UCPIL	188.00
E-150D1A1X-2 1/2	82 gal.	1 1/2	2 1/2	† 1 1/2	1 1/2	372	UCMOB	286.00	UCPOY	253.00
E-150D1B1X-2 1/2	82 gal.	1 1/2	2 1/2	† 1 1/2	1 1/2	372	UCMUP	286.00	UCPUM	253.00
E-150D1C1X-2 1/2	82 gal.	1 1/2	2 1/2	† 1 1/2	1 1/2	372	UCNAD	286.00	UCRAZ	253.00
E-150D1A1X-3	82 gal.	1 1/2	3	1 1/2	1 1/2	372	UCNEV	289.00	UCRER	256.00
E-150D1B1X-3	82 gal.	1 1/2	3	1 1/2	1 1/2	372	UCNIN	289.00	UCRIJ	256.00
E-150D1C1X-3	82 gal.	1 1/2	3	1 1/2	1 1/2	372	UCNPY	289.00	UCROW	256.00
E-200D1A1X-3	120 gal.	2	3	† 2	1 1/2	480	UCOBA	337.50	UCSAY	296.00
E-200D1B1X-3	120 gal.	2	3	† 2	1 1/2	480	UCOHO	337.50	UCSFO	296.00
E-200D1C1X-3	120 gal.	2	3	† 2	1 1/2	480	UCOME	337.50	UCSOV	296.00

All motors listed are 60 cycle. Single Phase, 110/220 Volts.

Motor sizes up to and including 1 HP have Built-In Overload Protection. Larger than 1 HP Motors should be installed with manual or automatic starters having thermal overload protection.

When 3 Phase instead of Single Phase motors are furnished Add or Deduct the following: For 1 1/2 HP Add \$5.00. For 2 HP Deduct \$3.00. For all other sizes when a special motor is furnished there will be an additional charge. Special Switch Included.

Direct Current Motors obtainable at extra price.

The Myers *Ejecto* Water System, complete as illustrated by Fig. 3179 includes Vertical Centrifugal Pump and Motor Assembly, Automatic Pressure Regulator and Air Charger Valve, Pressure Switch, Pressure Gauge, Galvanized Pressure Tank, Fittings Between Pump and Tank, Automatic Air Control for tank, All Bronze Ejector Assembly and Foot Valve, Well Packer, Special Adapting Flange for Pump Head.

† Turned couplings for Inner Pipe are included where required.

\* "Price less Tank" does not include Fittings Between Automatic Regulator and Tank or Automatic Air Control for tank.

The above prices do not include any Inner pipe in well. This is regular galvanized standard pipe.

For Complete System using larger than Standard Galvanized Pressure Tank add to "Price Less Tank" the following: For 82

gallon \$33.00. 120 gallon \$41.50. 220 gallon \$79.00. 315 gallon \$102.00. 525 gallon \$133.50.

All pressure tanks are vertical except 525 gallon which is horizontal.

Sub-Base or Stand for either Over the Well or Offset Pump Installation using 1/4, 1/2 and 3/4 HP Motors, add to List \$5.00.

Sub-Base or Stand for either Over the Well or Offset Pump Installation using 1, 1 1/2 and 2 HP Motors, add to List \$6.00.

In ordering the Myers *Ejecto* Pumps or Water Systems write your order in accordance with the following example: Example—Pump to deliver 400 gallons per hour with a lift out of the well of 50 feet. Turn to Page 173 and select the correct System Number from this chart. The System Number for this condition would be "E-50D1B1X-2." If the Complete System is desired you would write your order as follows: "(Quantity) E-50D1B1X-2 for 50 ft. lift." If the system is desired Less Tank order "E-50D1B1X-2 Less Tank for 50 ft. lift." Always specify the lift. This is necessary in selecting the proper Automatic Regulator Valve for the system. In ordering by code write "(Code Word) Fifty," the fifty meaning the lift from the well.

Order must specify if for off-set installation.

Sub-Base will not be furnished unless specified.





# TYPICAL INSTALLATIONS

TYPICAL INSTALLATION  
MYERS *Ejecto* WATER SYSTEM  
OFF-SET FROM WELL  
TWIN-TYPE EJECTOR ASSEMBLY

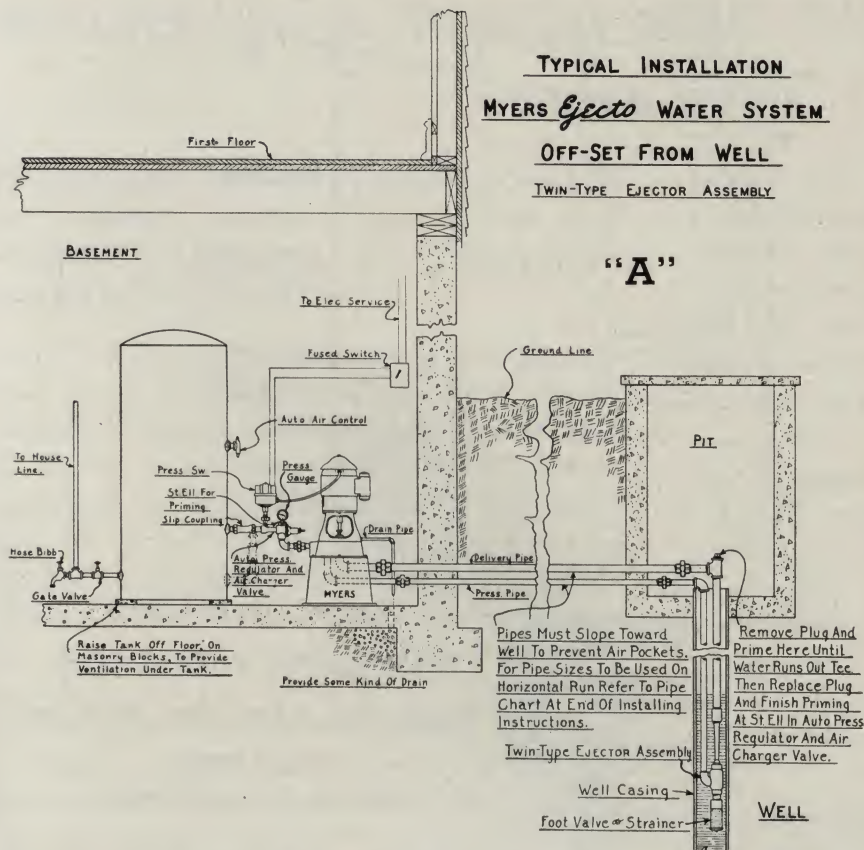


Illustration "A" shows the Myers *Ejecto* Water System (Twin-Type) installed away from well.

This type of installation is particularly suitable where freezing temperatures occur as it is possible to install the pump in basement or other convenient location where it is always warm and dry.

In this installation the pump is mounted on a special Pump Stand.

For installations of over 1 HP a thermal overload switch and a fused cut-out switch should be installed for proper protection of the motor.

For horizontal piping from well to pump see charts on pages 183 and 184.

See illustrations C and D for information on location of Ejector Assembly in well.

TYPICAL INSTALLATION  
MYERS *Ejecto* WATER SYSTEM  
OFF-SET FROM WELL  
DUPLEX-TYPE EJECTOR ASSEMBLY

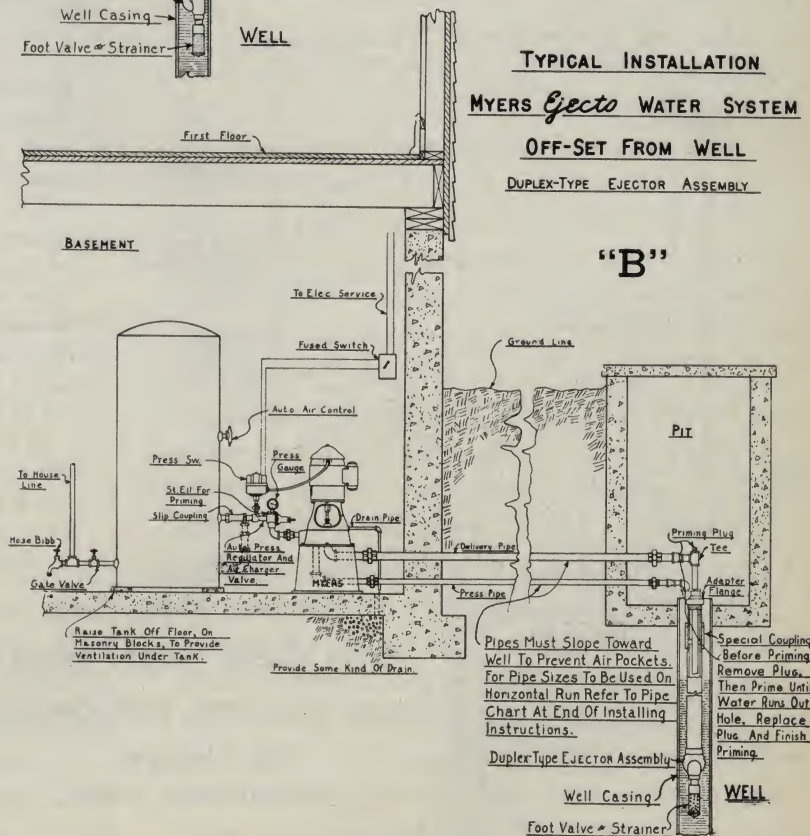


Illustration "B" shows the Myers *Ejecto* Water System (Duplex-Type) installed away from the well.

This type of installation is particularly suitable where freezing temperatures occur as it is possible to install the pump in basement or other convenient location where it is always warm and dry.

In this installation the pump is mounted on a special Pump Stand.

For installations of over 1 HP a thermal overload switch and a fused cut-out switch should be installed for proper protection of the motor.

For horizontal piping from well to pump see charts on pages 183 and 184.

See illustrations C and D for information on location of Ejector Assembly in well.





## TYPICAL INSTALLATIONS

Illustration "C" shows the Myers *Ejecto* Water System installed directly over the well.

Pump room must be frost proof if freezing temperatures occur. Good ventilation should be provided to prevent excessive moisture and overheating in warm weather.

Delivery and Pressure Pipes in well should be of sufficient length that the top of the Ejector Assembly is always 5 to 10 feet below water level while pumping. This type of installation should be used only where the approximate draw-down conditions of the well are known. See installation "D" for weak wells.

Overload protection and a fused cut-out switch should be provided on installations of over 1 HP.

The same general installation instructions are to be followed when Duplex-Type Ejector Assembly is used.

Pit installations are to be avoided if possible.

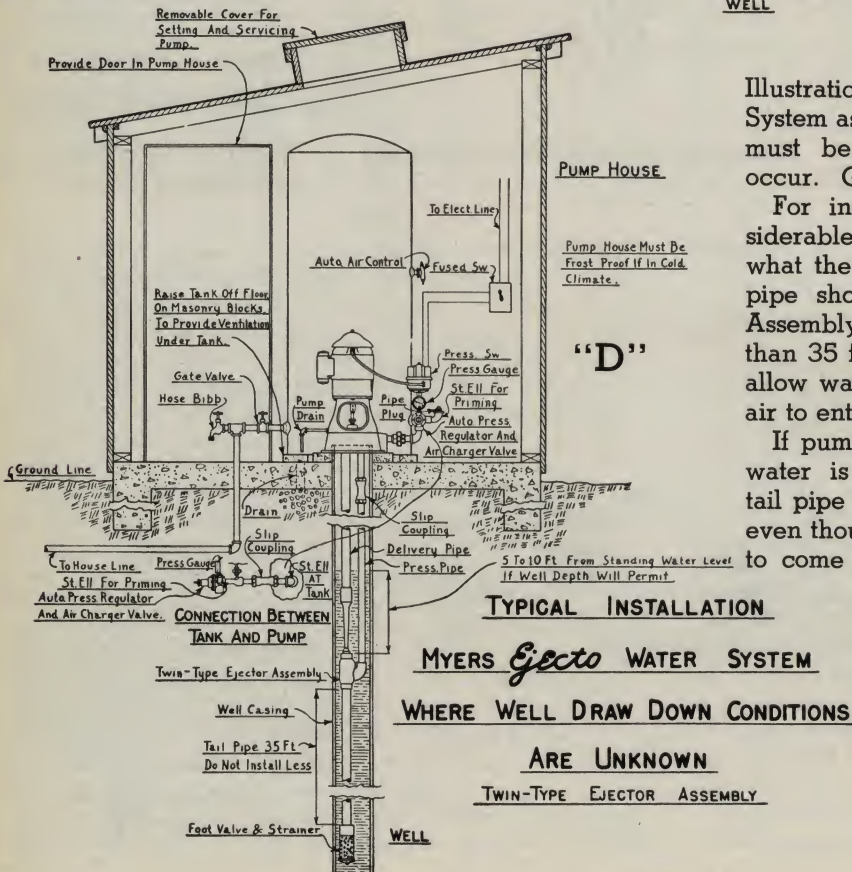
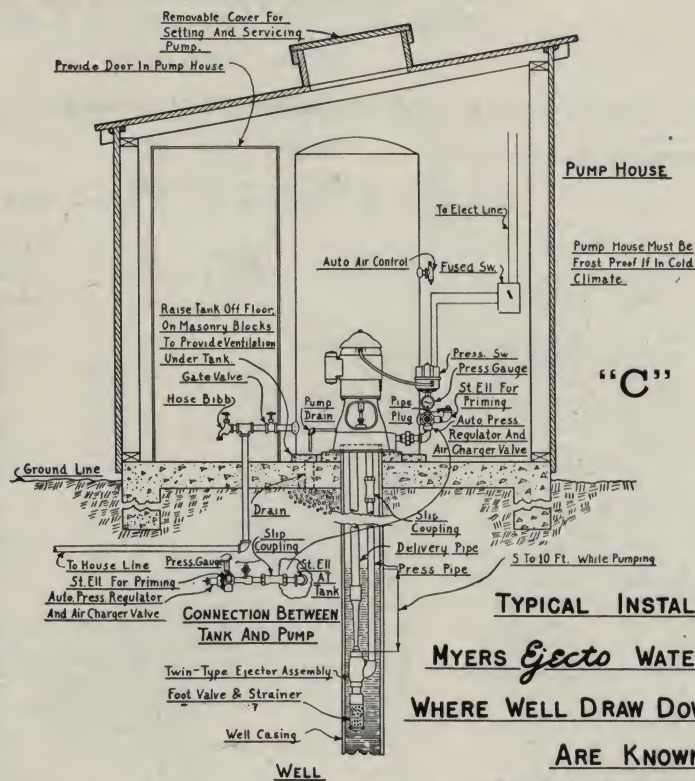


Illustration "D" shows the Myers *Ejecto* Water System as installed directly over well. Pump room must be frost proof if freezing temperatures occur. Good ventilation should be provided.

For installations in weak wells having considerable draw-down or where in doubt as to what the well draw-down will be, a 35 foot tail pipe should be installed between the Ejector Assembly and the Foot Valve. Never use less than 35 feet of tail pipe as a shorter pipe would allow water to draw down to foot valve causing air to enter pump and make pump lose prime.

If pump is to be installed in a well where the water is not deep enough to submerge both tail pipe and Ejector Assembly, use the tail pipe even though this may cause the Ejector Assembly to come above the water level. In this type of well keep end of tail pipe at least 3 feet off bottom of well.

Overload protection and a fused cut-out switch should be provided on installations over 1 HP.

The same general instructions are to be followed when Duplex Ejector Assembly is used.





# INSTALLATION INSTRUCTIONS

## MYERS *Ejecto* PUMPS AND WATER SYSTEMS

### TWIN-TYPE

**FOUNDATION:** Concrete foundations should be used wherever possible. The foundation, large enough for both pump and pressure tank should be installed before setting pump.

**PIPE:** Only new galvanized standard pipe should be used for the pressure and delivery pipes. The size required is given in the performance or price tables for the size pump being installed. Do not use old galvanized or black pipe as loose scale or dirt may fall off and clog the nozzle or venturi tube, making it impossible for the pump to operate. Always strike even new pipe with hammer to jar loose any loose galvanizing or dirt before positioning pipe over well. Lay out the proper length of pipe for the depth of installation required. See typical installation and performance chart in this catalog for help in determining proper length of pipe for different well conditions. Random lengths of pipe should be selected that are near the same length to avoid difficulty in installing. Use white lead or thread compound for making up all threaded joints.

**STEPS FOR INSTALLING PUMP:** First check depth of well to make certain the pipe to be installed will not settle on bottom of well. If a standard installation is being made, that is where the pumping water level is known and the tail pipe is not needed, thread first length of delivery pipe to venturi tube and thread pressure pipe into side opening of Ejector Body. The Foot Valve should be connected to the Ejector Body with a short nipple.

Lift both pipes and Ejector Assembly and lower into well. When pipes are to within 2 feet of the surface hold delivery pipe with regular Fig. 3007 Diamond Pipe Holder or other suitable clamp. Use care in handling pipe so as not to separate pipes enough to cause strain on the Ejector Body.

Next lift second length of delivery pipe and, holding bottom of pipe away from well, strike with

hammer to jar loose any scale or dirt, then connect to delivery pipe in well. Now raise second length of pressure pipe, clean as above, and connect to pressure pipe in well. Fasten pipe at top and lower into well and hold with clamp. Continue in this manner until all pipe is installed except last length of delivery and pressure pipe. At this point a measurement should be taken for cutting pipe to fit to pump head properly.

For measurement, find distance that end of pressure pipe is below end of delivery pipe or vice versa on the two pipes protruding from well. Now lay last length of pressure and delivery pipe on ground beside each other and place ends in same position as pipes protruding from well. Now mark pipes on other end for cutting so that pressure pipe will be  $7\frac{1}{2}$ " down from upper end of delivery pipe for sizes including 2" pressure pipe and make this measurement 10" on  $2\frac{1}{2}$ " and larger pressure pipe. The pressure pipe is made shorter, as the nipple furnished with pump will take up this gap. Now raise last lengths of pipe and connect to pipes in well and lower down and hold with clamp. At this point both pipes in well should be filled with water. If foot valve is holding properly the water will fill the pipes and stand at the top. If the foot valve leaks and allows the water to drain out, it will be necessary to raise the pipes up and down several times to clear valve rubber and seat so that the water will stand without leaking out. When installation is made using larger well pipes than head is tapped for, the length of reducer couplings and nipples must be taken into consideration when cutting pipes.

Now thread nipple furnished for pressure pipe into pump head, and with rope sling placed through pump bracket straddling pump shaft, lift pump head over delivery pipe projecting from well. Lower head and thread on to delivery pipe by turning head. A bar can be placed in the pump discharge opening





to give leverage in tightening head on delivery pipe. If bar is used, leave half-union in place to avoid damaging thread in casting. Before head is completely tight slide slip coupling over end of pressure pipe in well and slide down so that head can be turned to make nipple line up with pressure pipe. Now slide coupling up so that half of coupling is on nipple and tighten up. Raise pump and pipe, remove clamp and lower down on foundation. Use extreme care in all these operations to avoid getting dirt, pebbles or scale into pipes.

**INSTALLATIONS REQUIRING TAIL PIPE:** Connect tail pipe to Ejector Body placing Foot Valve at end of tail pipe, then raise Ejector Assembly and tail pipe and lower into well holding with clamp on tail pipe just below Ejector Body. Now raise first length of delivery pipe and proceed as above.

**STARTING AND REGULATING PUMP:** At this point before connecting pump to pressure tank the power lines should be connected to pressure switch and the pump primed for operation. To prime pump place street elbow in side outlet of Automatic Regulator and pour water into pump. Remove  $\frac{1}{8}$ " brass pipe plug located near packing gland to allow any air to escape. When water pours from this hole in a steady stream replace plug, put plug in street elbow and start motor. All single phase motors leave the factory with the correct rotation but if a pump with 3 phase motor is being installed check rotation by arrow on pump case.

If pump is primed properly water will start flowing immediately. If pump does not start it will be necessary to remove plugs and add more water. After pump has started adjust nut of Automatic Regulator so that pressure on gauge is set as near as possible to operating pressure shown on performance chart in catalog for the system being installed.

After pressure is regulated allow pump to operate for 30 minutes or more to make certain that well does not draw down sufficiently to lower pressure on gauge. If pressure does start to drop, tighten adjusting nut slightly to bring pressure back to desired point. In the case of weak wells, pump should be operated for one hour or more to get proper

regulation.

Now connect pump to pressure tank and start again. It may be necessary to add a little water to get pump started. Let pressure build up in tank so that the pump automatically cuts off. Start pump several times to make certain that everything is operating properly.

**PACKING GLAND:** Pumps are properly packed with high grade metallic packing on leaving the factory and will not require any additional packing for many months. When additional packing is needed, order proper packing from factory. There should be a slight drip of water at the packing gland at all times. Do not try to shut off all leakage. A drain tapping is provided in the pump bracket so that a drain pipe may be installed and carried to a sump. Tighten gland only when pump is operating. Do not tighten sufficiently to slow down or stall motor.

**OFF-SET INSTALLATIONS:** Any Myers Ejecto Pump or Water System may be installed at a reasonable distance away from the well without changing the performance. See Typical Installations in this catalog for guide to piping necessary.

#### IF PUMP DOES NOT OPERATE PROPERLY CHECK FOLLOWING POINTS FOR TROUBLE

(1) A rattling noise in the pump or delivery pipe indicates the pump is operating with too much vacuum; that there is an air leak in the delivery line; or that there is gas in the water being pumped. To eliminate this noise tighten Adjusting Nut on Automatic Regulator so as to increase the pressure about 2 to 4 pounds. If this does not eliminate the noise the trouble is being caused by an air leak or gas in the water. These pumps are not recommended for wells containing gas.

(2) If pump is running but not delivering water, this will mean that the pump has lost prime. Stop pump, remove  $\frac{1}{8}$ " brass pipe plug located near packing gland, and add water through street elbow in side of Regulator Body until all air is out of pump. Replace plug and start again. If this happens often





it is a sign that the water is being pulled down to the Foot Valve allowing air to enter pump, or that there is an air leak in the delivery line. To remedy this lower Ejector Assembly in well, put on tail pipe, or fix air leak.

(3) If pump starts and stops continuously this indicates that pressure tank is water-logged, that is, all the air is gone from tank. In this case open several hydrants or faucets and allow pump to operate for 30 minutes or more with faucets open. This will allow tank pressure to become low and will allow Air Charger Valve to take in more air than normal, replenishing necessary air in tank.

## DUPLEX-TYPE

All general installing and regulating instructions for the Twin-Type are to be followed for installing the Duplex-Type. The following instructions will apply to installing pipes in well.

All pipes selected for both Inner and Outer pipes should be the same length so that the length of the Venturi Tube added to the Inner pipe will result in the Inner pipe always projecting above the Outer pipe, which will make installation easy. First place one length of Inner pipe inside of first length of Outer pipe. Connect Venturi Tube to Inner pipe then connect Outer pipe to Ejector Body. Connect Foot Valve to Ejector Body with short nipple then raise pipes and Ejector Assembly and lower into well holding to Outer pipe with clamp. Now place second length of Inner pipe within second length of Outer pipe and raise both pipes together holding Inner pipe so that it will not slip out. Make certain that pipes are clean before setting directly over well. Next lower Inner pipe and connect to Inner pipe protruding from well. **Caution—Use only copper plated couplings furnished with pump to con-**

nect inner pipes together. Now lower Outer pipe and connect to Outer pipe protruding from well. Continue in this manner until all pipe is installed except last length of Outer and last length of Inner pipe. At this point a measurement should be taken to make pipes fit pump head properly. Measure distance that end of Inner pipe projects above end of Outer pipe. Now lay last length of Inner pipe beside last length of Outer pipe with ends in same position as pipes protruding from well. Now lay adapting flange and connecting nipple with running coupling at end of Outer pipe leaving a  $1\frac{1}{2}$ " gap between end of nipple and end of Outer pipe. Now mark Inner pipe and cut and thread so that end will be  $\frac{3}{4}$  of an inch above face of adapting flange.

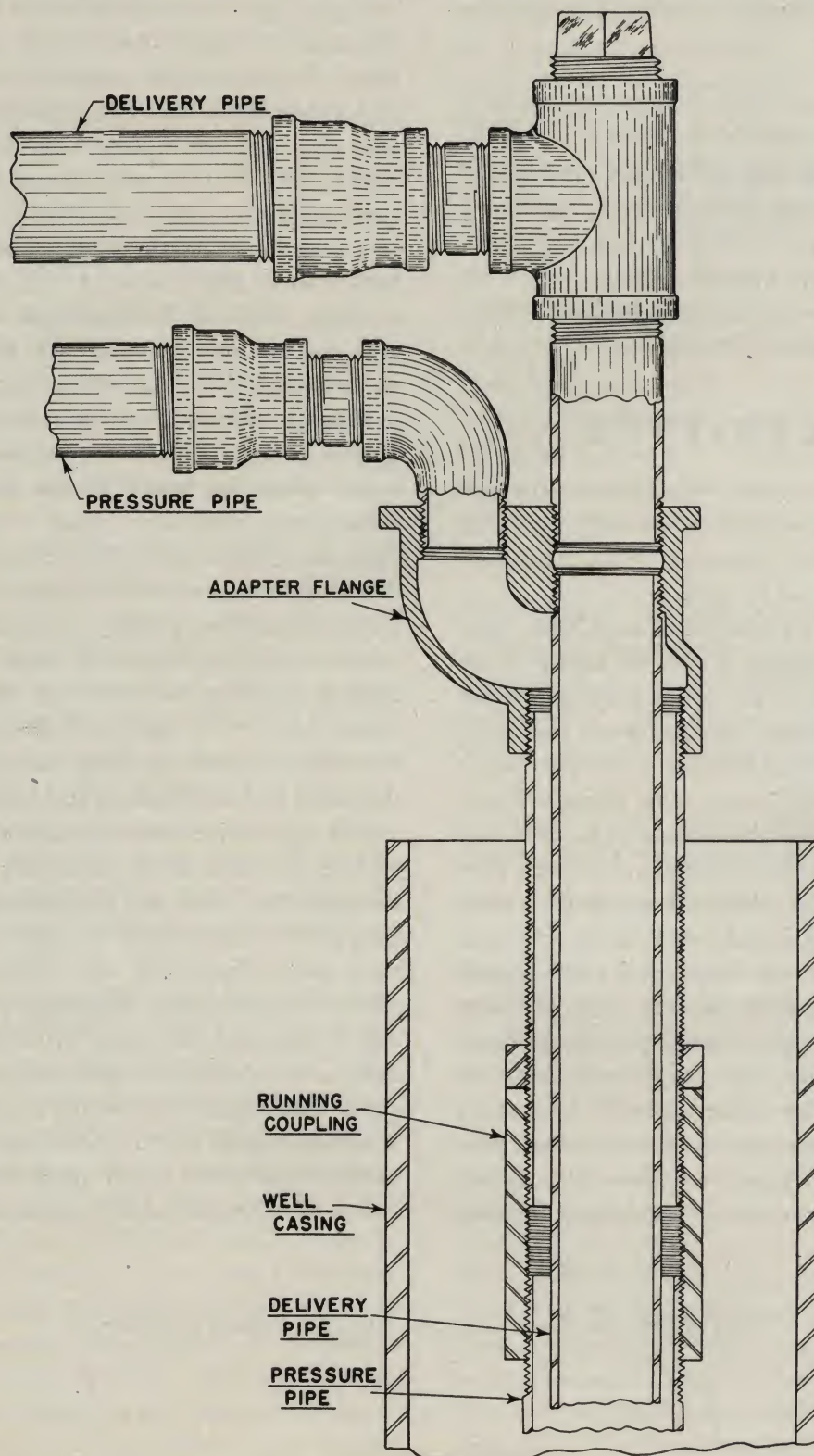
When a pump is being installed that requires a special adapting nipple to connect Inner pipe to pump head, the length of this nipple should be taken into consideration when cutting Inner pipe. Next place Inner pipe within Outer pipe and raise into position and connect to pipes in well as before, lower and hold with clamp. At this point both pipes in well should be filled with water. If Foot Valve is holding properly the water will fill the pipes and stand at the top. If the Foot Valve leaks and allows the water to drain out it will be necessary to raise the pipes up and down several times to clear valve rubber and seat so that the water will stand without leaking out. Now place connecting nipple, running coupling, lock ring and adapting flange for Outer pipe over end of Inner pipe and leave loose. Then raise pump head with rope through bracket and lower on to Inner pipe. Hold Inner pipe with wrench and thread head on to pipe by turning head. When tight raise adapting flange into place and bolt to pump base. Then turn running coupling down until it threads tightly on to Outer pipe, set lock ring, remove clamp and lower head on to foundation. Follow all other instructions as given for Twin-Type.

**REPAIRS:** See Last Section, No. R40 Repair Catalog





## OFFSET INSTALLATION FOR DUPLEX TYPE MYERS *Ejecto* PUMPS







# INSTALLATION INSTRUCTIONS

## MYERS *Ejecto* PUMPS AND WATER SYSTEMS

### PACKER-TYPE

The Packer-Type Ejecto installation differs from the usual Ejecto installation in that the well itself is used as the pressure pipe necessitating the use of only one pipe as the inner delivery pipe.

As the well is to be used as the pressure pipe it is necessary that it be clean, free from dirt or scale that might clog the ejector nozzle after the pump is put into operation. The well should be swabbed with a wire brush or other suitable swab before installing ejector assembly.

On the 2½" and 3" wells it is necessary to have the top of the casing threaded with standard pipe thread. If the casing is not already threaded this should be done before installing ejector as pipe shavings might fall down and clog the ejector nozzle. The 2" well does not have to be threaded as a slip coupling is used on this size to connect well to pump head.

Next connect the ejector assembly to the first length of inner pipe. If copper plated couplings are furnished with pump use these to connect joints of inner pipe. If copper plated couplings are not furnished use regular standard pipe couplings. All sizes do not require these plated couplings as the space between the inner pipe and well is ample for standard couplings on certain sizes.

For example the ½ HP unit for 2" well requires turned couplings, but the ½ HP unit for 2½" and 3" wells does not require these turned couplings. See performance sheet for sizes requiring turned couplings, Page No. 173.

Now place spring dog in well and force down by pushing on pipe. For a setting of 50 or 60 feet the spring dog should hold the weight of the pipe but a pipe clamp should be used for added safety. Connect on next joint and continue in this manner until all pipe is installed in well. Allow last length of pipe to stick above the well far enough to take up length of adapting flange, nipple and connecting coupling, and 1½" extra length for wrench gap after head is assembled in place. At this point the packer should be seated in the well. To do this turn the inner pipe to the right, 4 or 5 turns should be sufficient to seat the packer tight in the well. After packer is seated force down on pipe to make certain that it will not slip down.

Now bolt adapting flange to pump head making the nipple tight in the adapting flange. The connecting coupling of course is assembled to the nipple. Where the slip coupling is used it is slipped over the nipple and held in place until head is assembled on to the inner pipe.

Now lift the pump head and lower over inner pipe, hold inner pipe in gap between coupling and top of well pipe with wrench and turn pump head to right to tighten on to inner pipe.

Next screw running coupling down until it threads on to well casing. If the slip coupling is used slide it down on to well pipe and tighten.

When a pump is installed on the well casing naturally the connecting fittings raise the pump above the ground level. If a neat appearing job is desired the off-set stand may be used to support the pump base. If the off-set stand is used it should be fastened to the pump head before the head is lowered over well pipe. Do not try to make the bottom of the off-set stand come exactly flush with ground level when head is screwed up tight but allow an inch or more gap between bottom of stand and ground level then pour concrete around base to fill in the gap. In this manner there will be no strain on the pump head or well pipe.

If the off-set stand is not desired the pump may be left projecting above ground without any support as the well casing gives sufficient anchorage to support the pump head or a fabricated base of steel or concrete may be made providing a hand hole is left in the side so that the connecting coupling may be disconnected in case it is necessary to remove the pump at some future time.

The pump is primed and regulated the same as any other ejecto installation.

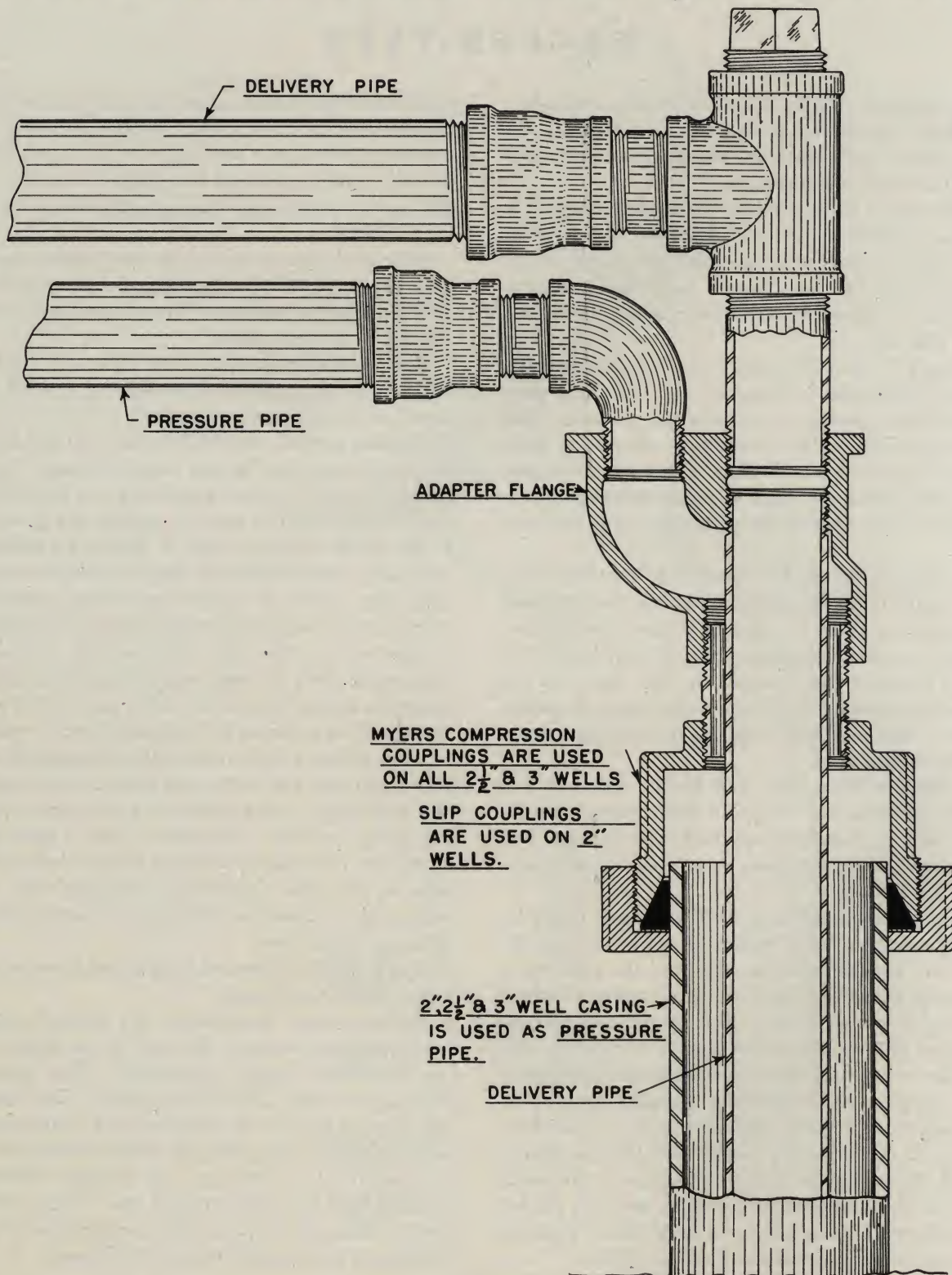
For an off-set installation the piping should be connected at the top of the well in the same manner as the off-set Duplex installation. (See installation drawing on page 175 of this catalog.) The necessary connecting fittings are furnished as an extra when the order specifies the system for off-set installation.

Caution—In installing all piping considerable care should be taken to keep out all dirt scale and rocks. Make all joints up tight and use white lead or a suitable joint compound on the threads.





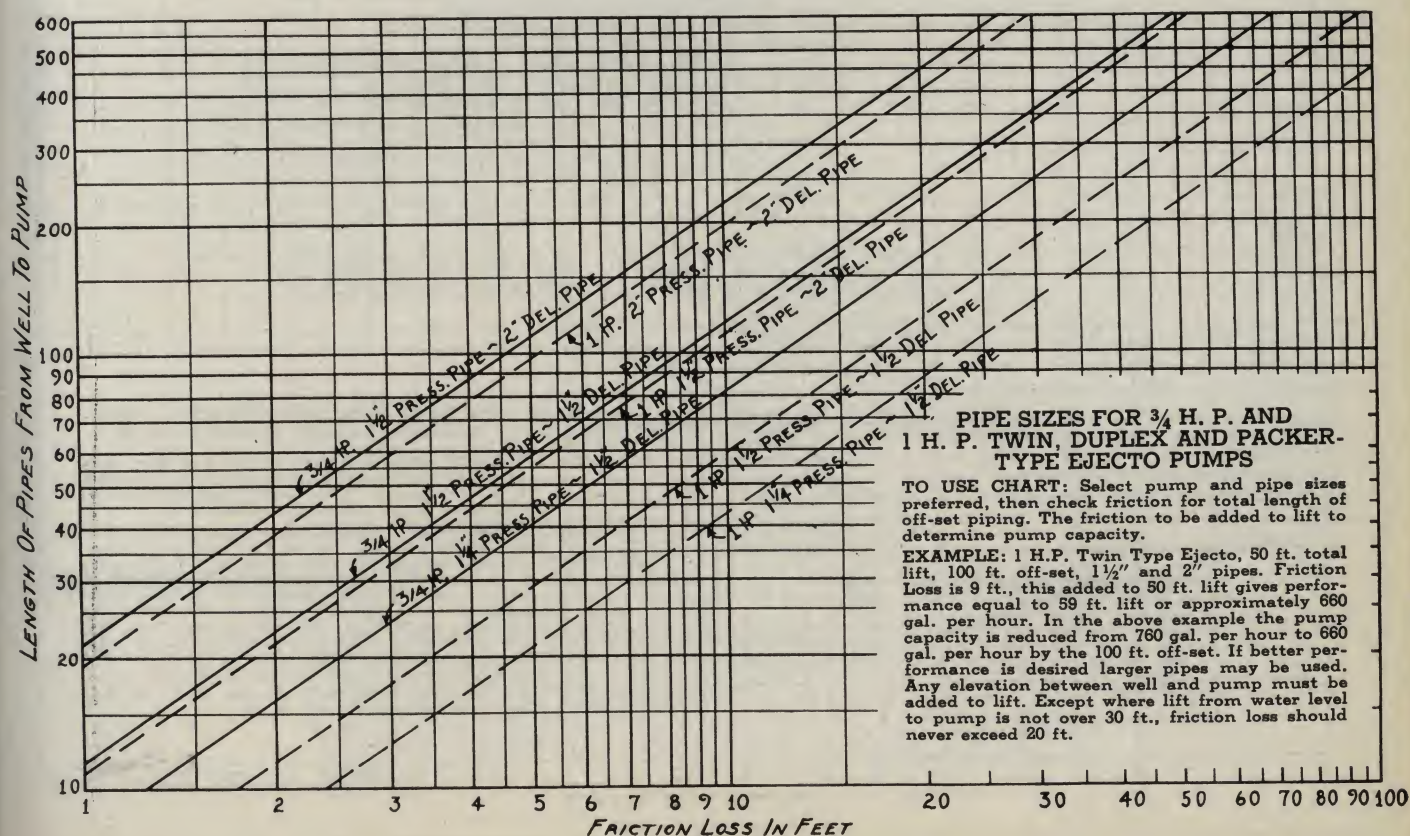
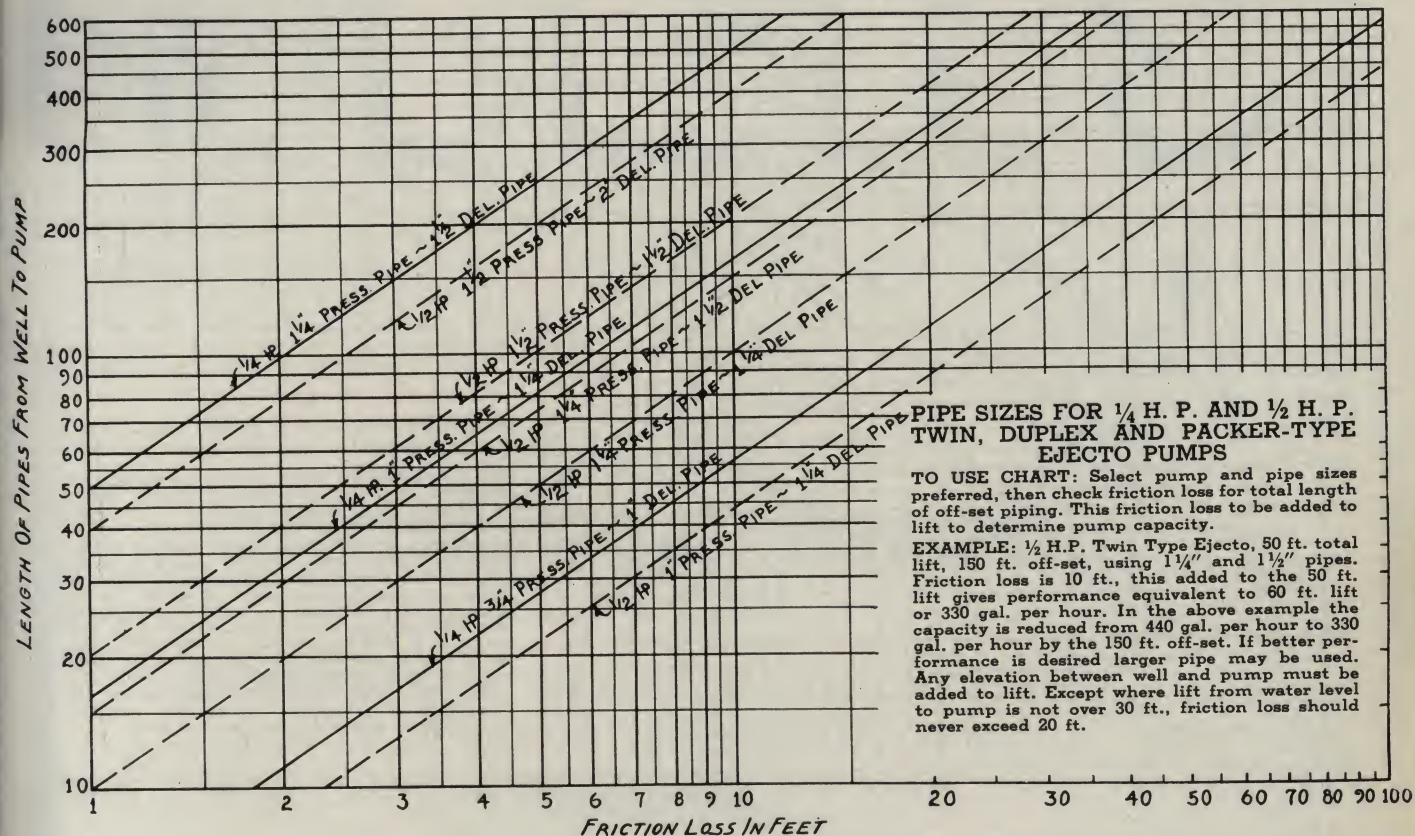
## OFFSET INSTALLATION FOR PACKER TYPE MYERS *Ejecto* PUMPS







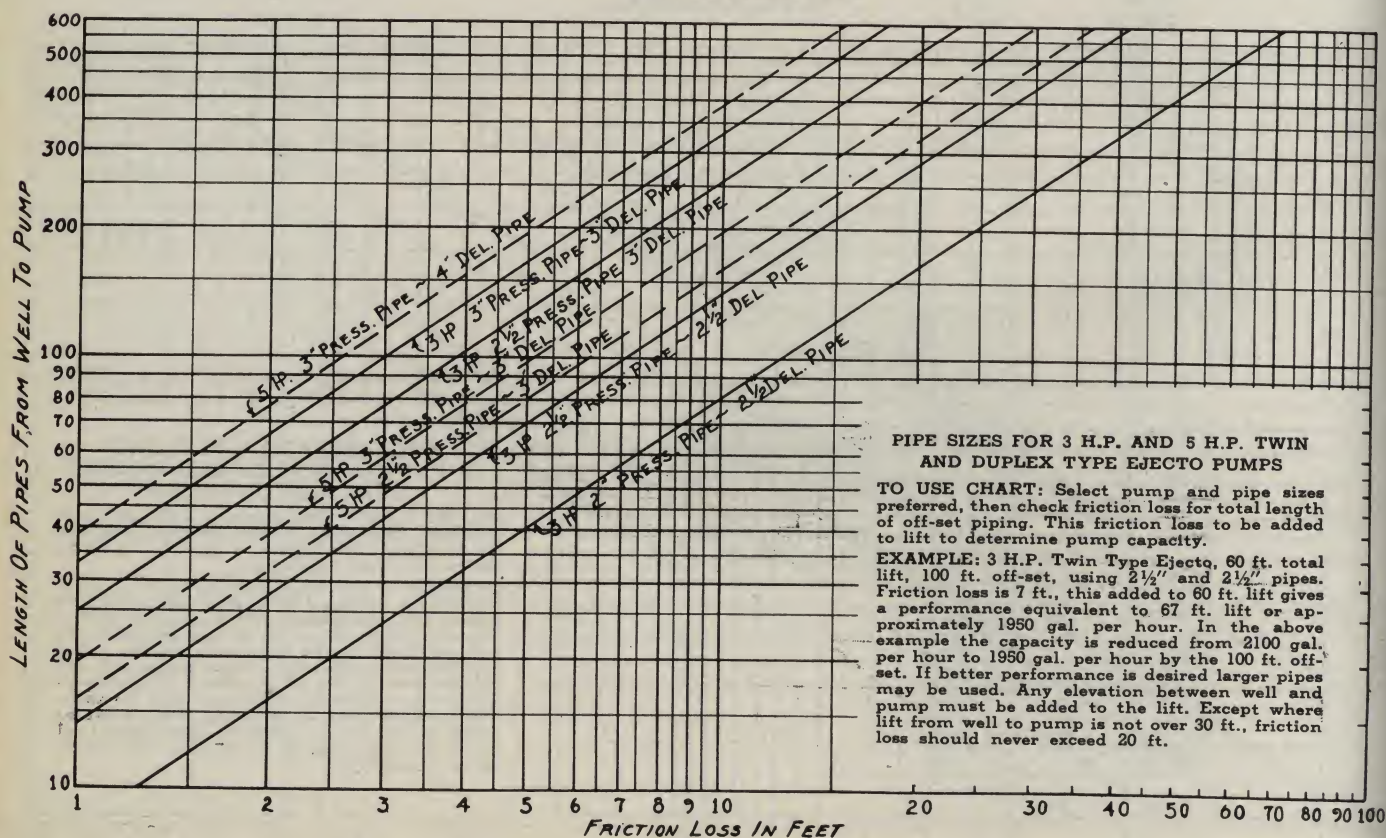
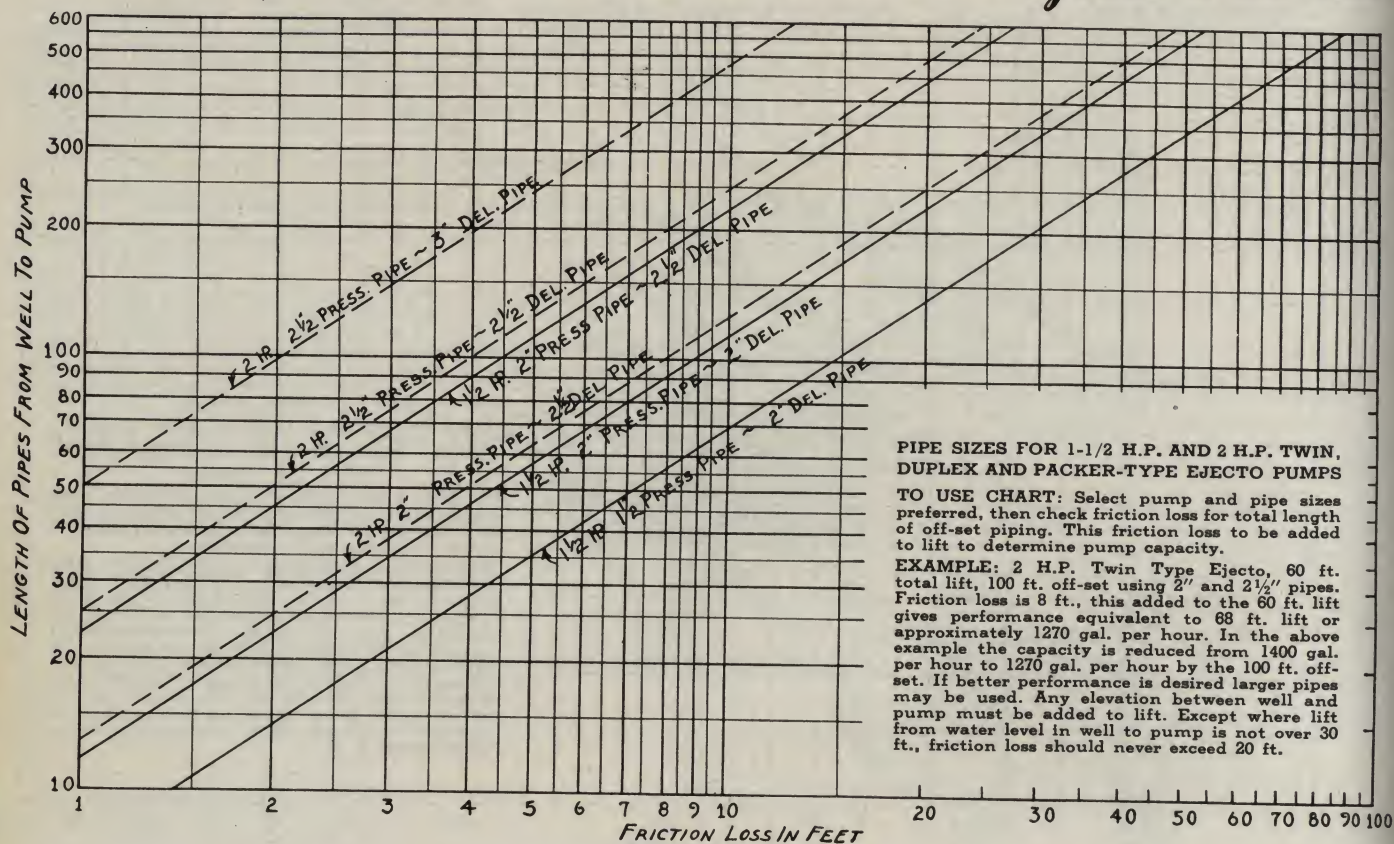
# PIPE SIZES FOR OFF-SET INSTALLATION OF TWIN, DUPLEX AND PACKER TYPE *Ejecto* PUMPS







# PIPE SIZES FOR OFF-SET INSTALLATION OF TWIN, DUPLEX AND PACKER TYPE *Ejecto* PUMPS





# MYERS

## MYERS CENTRIFUGAL PUMPS

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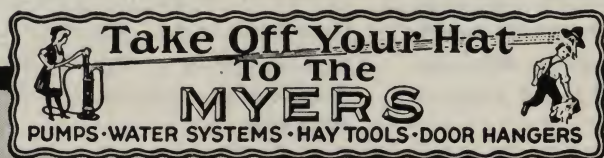
HORIZONTAL, SINGLE STAGE, SINGLE  
SUCTION WITH CLOSED OR OPEN  
IMPELLER

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## MYERS SUMP PUMP OR CELLAR DRAINER

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SEE REPAIR CATALOG FOR REPAIRS



CENTRI-  
FUGALS

ACCES-  
ORIES

HAND  
SPRAY

POWER  
SPRAY

SPRAY  
ACCESS.

POWER  
WASHERS

HAY  
TOOLS

DOOR H.  
TORE L.

ENG.  
DATA

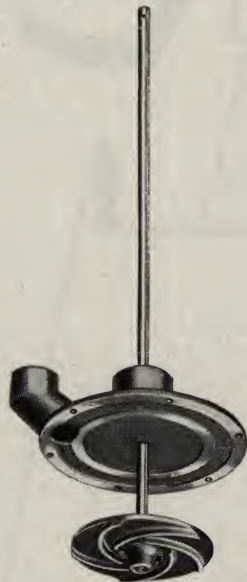
INDEXES





## THE MYERS IMPROVED SUMP PUMP OR CELLAR DRAINER

Fig. 3249



**SHAFT AND IMPELLER** — Fig. 3249, Cast Bronze Impeller is securely attached to Stainless Steel Shaft. Rust and corrosion resisting. Supported top and bottom by extra large bearings.

Fig. 3250



**SUPPORTING COLUMN**—Fig. 3250, Heavy Seamless Brass Tubing. Rust proof and corrosion resisting.

Fig. 3246

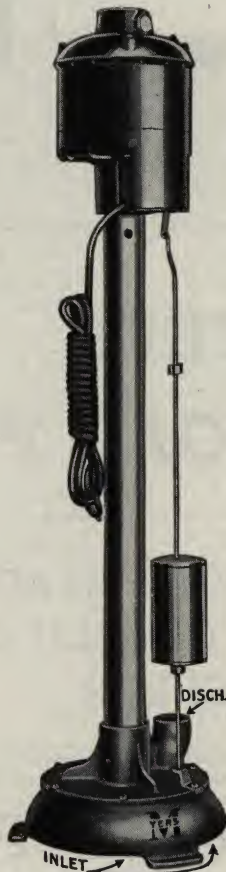
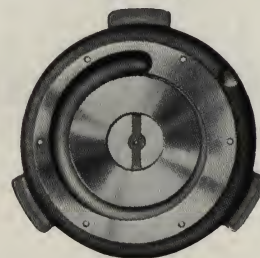


Fig. 3247



**STRAINER** — Fig. 3247, Non-clogging brass screen covers entire bottom of base. Large area  $9\frac{1}{8}$ " diameter. Prevents foreign matter from entering pump.

Fig. 3248



**BASE**—Fig. 3248, Heavy Bronze, bell shaped — extends to within  $\frac{1}{2}$ " of floor; permits pumping to that level.

From an eye appeal standpoint the Myers Sump Pump is unusually pleasing in appearance while its sturdy construction implies dependability, an important requisite of this class of pumps.

Primarily designed as a cellar drainer the Myers Sump Pump is used extensively for draining pits, boiler rooms, sub basements and similar service.

The centrifugal type pump is constructed throughout of the right materials for long trouble-free performance. The base, pump parts, strainer and supporting column are all of bronze or brass for resistance to corrosion and rust. The stainless steel impeller shaft runs in a water lubricated lower bearing — no lubrication or attention required.

Ball Bearing Motor and switch are fully protected from dirt, moisture and injury, insuring positive operation and trouble-free service. Full protection against stalled conditions and motor failure is afforded by overload protective device built into the motor.

Since this type of pump is usually installed for emergency service and often required to meet peak demands at infrequent intervals it must be constructed throughout for such service conditions. Myers Sump Pumps have been designed with this thought in mind. Sturdy construction, correct design and complete automatic control give assurance of trouble-free performance with minimum care and attention.





## SPECIFICATIONS

**PUMP**—Vertical Centrifugal All Bronze with open impeller and 2" brass column, stainless steel shaft to resist corrosion.

**INLET**—Entire under side of base  $9\frac{1}{8}$ " diameter, protected by non-clogging brass screen. Bell shaped base—no legs to break off.

**OUTLET**—Vertical discharge, eliminates a pipe fitting and reduces friction. Tapped for standard 1" pipe. A larger pipe should be used for long runs.

**LOWER BEARING**—A tested bearing material, widely used in automotive construction will run under water lubrication.

**MOTOR**—Standardized design,  $\frac{1}{4}$  HP Heavy Duty Continuous service, induction type with Built-In Overload Protection, 110 Volt, 60 Cycle, 1750 R.P.M., ball

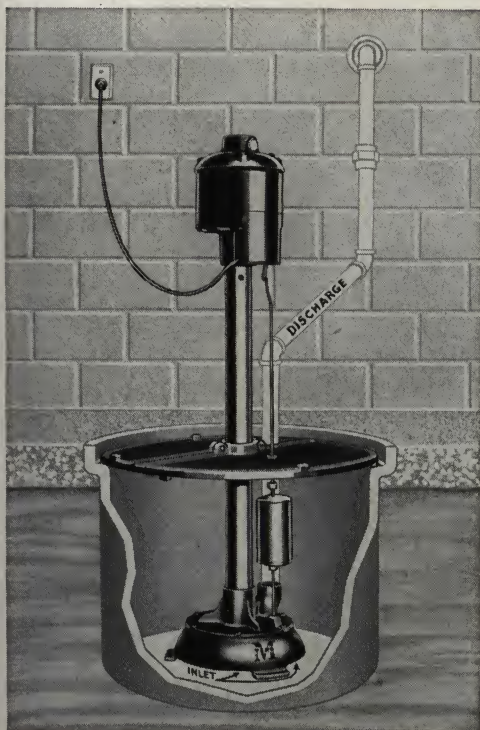
bearing, drip proof. Rubber covered cord, 8 ft. in length, Underwriters approved, with flexible rubber plug for connecting to lighting circuit.

**AUTOMATIC CONTROL**—Very neat compact switch with positive snap action. Overload protection built into motor. Will positively protect motor in case pump is stalled. Resets automatically when trouble is cleared. Switch is mounted in pocket of motor casting, protected from injury.

**FLOAT**—Brass cylindrical shaped, heavily soldered seams, unbreakable. Slides on brass rod—will not bind—adjustable stops to be set for desired liquid levels. Rod guided top and bottom.

If discharge is connected to Sewer, a Check Valve should be used.

## TYPICAL SUMP INSTALLATION



An 18" Sewer Tile is recommended for sump.

## CAPACITY TABLE

Feet Head	1	5	10	17	19
Gallons Per Hour	2400	1900	1500	700	250

No. 6102, Myers Improved Sump Pump, Fig. 3246, With  $\frac{1}{4}$  HP, 60 Cycle, 110 Volt, A. C. Motor as specified above,

	Price
Height 38", Net Weight 49 Lbs.....LOCTU	\$39.50
Add for 60 Cycle, 220 Volt A. C. Motor....	2.00
Add for 25 Cycle, 110 Volt A. C. Motor....	5.25
Add for 115 Volt Direct Current Motor....	13.50
Add for 230 Volt Direct Current Motor....	14.25
Add for 32 Volt Direct Current Motor.....	14.25
Add for 50 Cycle 110 Volt A.C. Motor.....	1.70
Add for 50 Cycle 220 Volt A.C. Motor.....	3.00
Cast Iron 2 part Cover for 18" Sump.....	5.00
Cast Iron 3 part Cover for 24" Sump.....	10.00
Cast Adapter Ring only 18" I.D. x 24" O.D. for use with 18" 2 part Cover.....EXTRA	5.00

REPAIRS: See Page 124, No. R40 Repair Catalog





# MYERS CENTRIFUGAL PUMPS

Horizontal

Single Suction

Single Stage

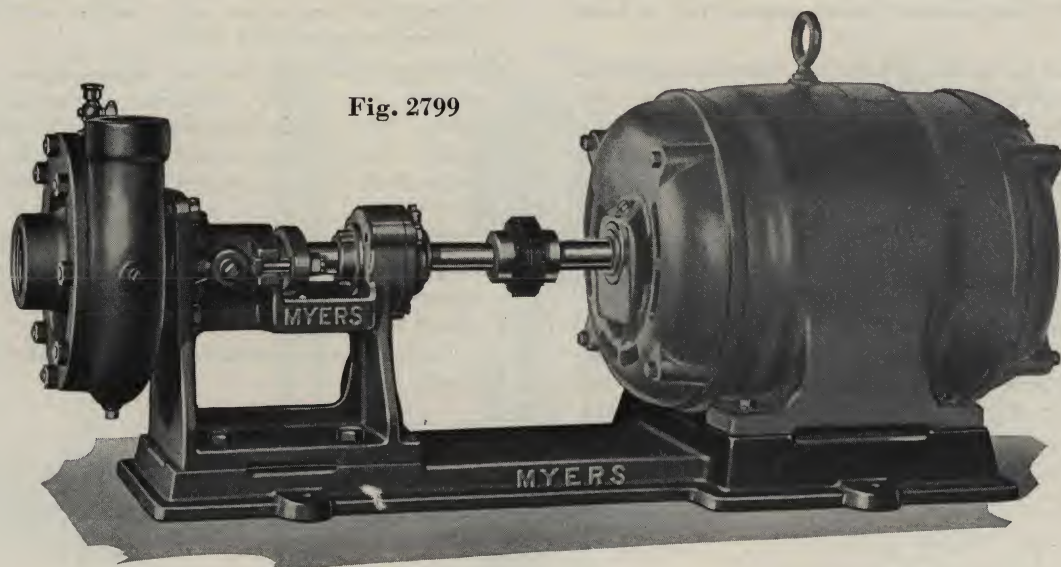


Fig. 2799

Horizontal, single stage, single suction centrifugal pumps are more generally useful and adaptable than any other type. Applications for which they are suitable include irrigation and drainage; circulation of hot or cold water or brine; handling acids, chemicals or oils; booster pumps, filling swimming pools, pumping out excavations, and many other services too numerous to mention.

MYERS Horizontal Single Suction Single Stage Centrifugal Pumps are available in capacities of from 20 to 800 gallons per minute and for operation against heads up to 120 feet. They are of simple but durable construction, high in efficiency and quality, yet moderately priced. Mechanically and hydraulically they embody the most recent advances in design, and in-

clude refinements which are usually found only in higher-priced equipment. Anti-friction bearings and precision machine work insure dependable performance and long life.

**The Volute Casing** is proportioned to permit smooth flow and to convert the high speed of the water as it leaves the impeller into useful pressure. Machining of the casing and bearing stand provides accurate centering of the casing with the shaft and impeller. The casing may be rotated so that the discharge will face horizontally or vertically in either direction. Four tapped and plugged holes are arranged so that one will always be at the top of the casing for priming and at the bottom for draining.

**The Standard Impeller** is of the enclosed type

Fig. 2800

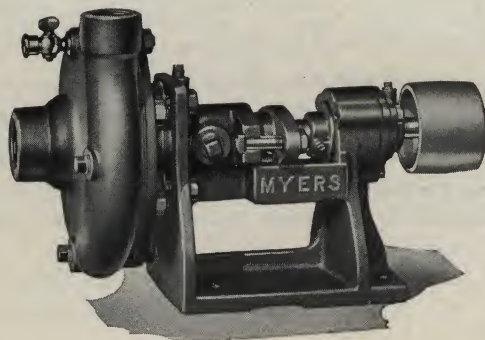
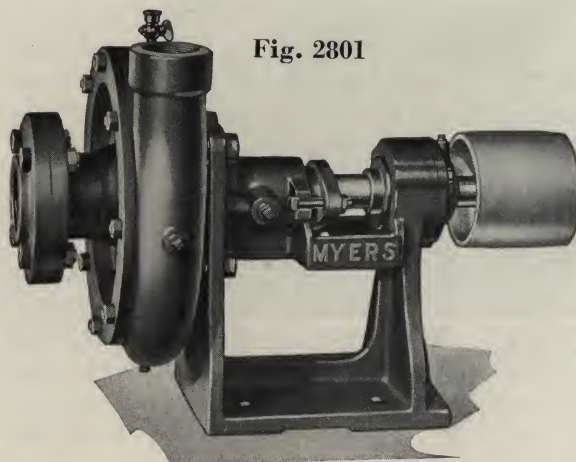


Fig. 2801



SELL MYERS CENTRIFUGAL PUMPS ON CAPACITIES AND HEADS—NOT ON PIPE SIZES





and made of close grained iron. Impellers of bronze or of the open type can be furnished. Impellers are carefully balanced before assembling. The hubs at each end are accurately machined to provide a close running fit against the casing. Impellers are designed to reduce end thrust or hydraulic unbalance to a minimum. Any remaining end thrust is amply provided for by the outer deep-groove ball bearing.

**The Steel Shaft** is ground for its entire length. This insures its being straight and reduces friction and wear in the inner bearing and in the stuffing box. High grade steel is standard. Stainless steel can be furnished.

**The Bearing Stand** supports the casing and provides housings for the two bearings. Ribs on the upright sections make it very rigid. Holes are provided for bolting down. Leakage from the stuffing box may be piped away from a tapped outlet in the bottom of the drip pan.

**The Inner Bearing** is a special bronze and graphite mixture. This composition is self-lubricating to a large extent, because of the graphite which it contains. It is also porous, and can absorb oil from an oil chamber provided above the center of the bearing. The bearing will act as a filter to prevent any foreign material from getting between the shaft and bearing.

Water which is present at this point has no ill effect on the special bronze and graphite bearing, although it would quickly ruin any anti-friction bearing.

**The Outer Bearing** is a deep-groove single-row ball bearing with ample capacity to handle both radial and thrust loads. The inner race fits snugly on the shaft and is held in place by a nut and lock washer. The outer race is clamped in the housing by the bearing cap, so it is impossible for the shaft and impeller to shift end-wise. The ball bearing is protected against dirt by felt seals at both ends of the housing, and against water by the water deflector at the end toward the impeller.

The ball bearings are standard automotive sizes which are carried in stock everywhere.

**The Stuffing Box** provides plenty of packing to prevent air leakage. The gland is counter-bored to keep the shaft from throwing water. Bolts for tightening gland fit into sockets which keep them from turning, but they may be easily removed and replaced when repacking.

**Water Seal**—The means of supplying water to the water sealing ring is unique. Water which is under pressure in the casing is carried through passages in the bearing stand to the water sealing ring, thus doing away with the usual small piping, which is a nuisance to install and is always liable to leak or be bent or broken off. A brass water seal fitting is also supplied with the pump, which will shut off the water from the casing, and at the same time provide a connection for clean water from a separate source, or for attaching a grease cup.

**Rotation** is right hand. Facing the pulley or motor end the shaft turns clockwise.

**Standard Pulleys** are for flat belt. Pulleys can be furnished for V-Belt drive.

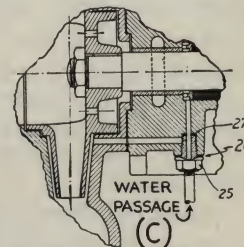
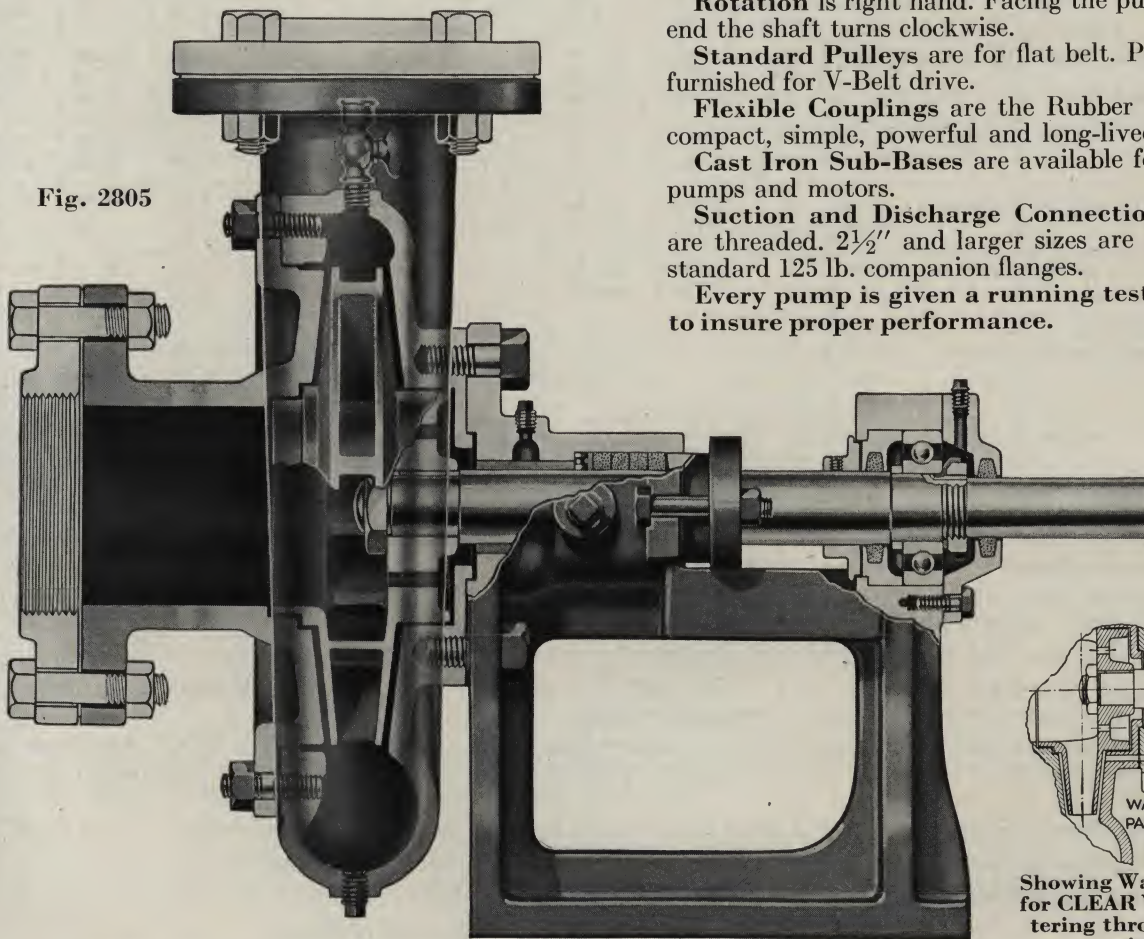
**Flexible Couplings** are the Rubber Spider Type, compact, simple, powerful and long-lived.

**Cast Iron Sub-Bases** are available for all sizes of pumps and motors.

**Suction and Discharge Connections** up to 2" are threaded. 2½" and larger sizes are flanged to fit standard 125 lb. companion flanges.

Every pump is given a running test with water to insure proper performance.

Fig. 2805



Showing Water Passage for CLEAR WATER entering through small pipe.





# MYERS CENTRIFUGAL PUMPS

## NOT RECOMMENDED FOR PUMPING GASOLINE

### SPECIFICATIONS

Pump No.	4000 $\frac{3}{4}$	4001	4001 $\frac{1}{2}$	4002	4011 $\frac{1}{2}$	4012	4013	4023
Discharge Inches	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	1 $\frac{1}{2}$	2	3	3
Suction Inches	1	1 $\frac{1}{4}$	2	2 $\frac{1}{2}$	2	2 $\frac{1}{2}$	4	4
Maximum Head Feet	34	37	38	38	96	96	96	135
Normal Head Feet	25	28	34	34	76	80	80	110
Normal Capacity, G. P. M.	22	43	110	170	140	226	480	550
Normal Horse Power	.43	.70	1.35	1.75	4.90	6.90	13.0	21.5
Net Weight less Base & Pulley	40	43	61	77	110	140	187	250

### PRICE LIST

Pump No.	Belt Drive Figs. 2800-2801		Code	For Motor Drive with Base complete Except Motor Price	H. P. Motor	Code	Fig. 2799 Motor Drive Complete with 1 Ph. Motor & Base Price	Code	Fig. 2799 Motor Drive Complete with 3 Ph S. C. Motor & Base Price	Additional Charge For			
	Code	Pump only with Tight Pulley Price								Stainless Steel Shaft Price	Bronze Open Impeller Price	Bronze Closed Impeller Price	Bronze Water End and Stainless Steel Shaft Price
4000 $\frac{3}{4}$	LEPDE	\$ 32.00	LEPEC	\$ 42.00	$\frac{1}{4}$ * $\frac{1}{2}$ †	LEVFU LEPFA	\$ 64.00 80.00	..... LEPUV	..... \$ 80.00	\$ 4.00 4.00	\$2.75 2.75	..... .....	\$26.50 26.50
4001	LEKNO	34.00	LELKU	46.00	$\frac{1}{2}$ * $\frac{3}{4}$ †	LEVLI LEMUY	86.00 95.50	LEWRU LERCE	86.00 94.00	4.00 4.00	3.10 3.10	\$ 4.60 4.60	30.00 30.00
4001 $\frac{1}{2}$	LEKOM	43.00	LELOL	57.00	1 * 1 $\frac{1}{2}$ † 2 †	LEVOB LEMWU LEVUP	119.00 136.50 159.00	LEYAB LERFY LEYET	114.00 129.00 139.00	5.50 5.50 5.50	4.40 4.40 4.40	5.60 5.60 5.60	36.00 36.00 36.00
4002	LELDI	51.50	LEMAN	68.00	1 $\frac{1}{2}$ † 2 †	LEWAD LENAM	147.00 169.50	LEYIL LERHU	139.50 149.50	5.50 5.50	5.00 5.00	6.60 6.60	41.00 41.00
4011 $\frac{1}{2}$	LELEG	60.00	LEMEF	78.00	3 * 5 †	LEWEV LENGA	210.00 273.00	LEYNA LERIS	172.00 191.00	9.00 9.00	6.60 6.60	9.20 9.20	56.00 56.00
4012	LELFE	70.00	LEMOK	94.00	3 * 5 † 7 $\frac{1}{2}$ †	LEWIN LEWPY	226.00 289.00 .....	LEYOY LEYTO LERKO	188.00 207.00 238.00	9.00 9.00 9.00	7.70 7.70 7.70	10.20 10.20 10.20	63.00 63.00 63.00
4013	LELHA	80.00	LEMPI	110.00	7 $\frac{1}{2}$ * 10 † 15 †	..... ..... .....	..... ..... .....	LEYUM LEYWI LEROF	259.00 284.00 326.00	10.00 10.00 10.00	10.20 10.20 10.20	12.80 12.80 12.80	77.00 77.00 77.00
4023	LELIY	105.00	LEMTA	165.00	15 * 20 † 25 †	..... ..... .....	..... ..... .....	LEZBY LEZDU LERUT	382.00 419.00 457.00	17.00 17.00 17.00	12.30 12.30 12.30	15.40 15.40 15.40	124.00 124.00 124.00

\*Pumps marked thus should be used only with impellers of reduced diameter. See curve sheets. Prices include charge for special diameter required.

†Pumps marked thus, when equipped with full size impeller should be used at limited capacity (high head), or burned out motor will result. See curve sheets.

‡Pumps marked thus may be used with full size impeller against any head without danger of harming motor.

Motors listed above are 60 Cycle, A. C., 1750 R.P.M., without Controls. For Motors with different speed or current characteristics, prices on application.

Standard Equipment has plain Steel Shaft and closed cast iron Impeller, except No. 4000 $\frac{3}{4}$  has Open Impeller only. Open cast iron Impellers will be supplied without additional charge. Special Equipment charged extra as above.

For cutting impellers to special diameter, add to above prices for Nos. 4001, 4001 $\frac{1}{2}$  and 4002 .....\$1.75

For cutting impellers to special diameter, add to above prices for Nos. 4011 $\frac{1}{2}$ , 4012 and 4013 ..... 2.50

For cutting impellers to special diameter, add to above prices for No. 4023 ..... 3.25

REPAIRS: See Pages 180 to 182, No. R40 Repair Catalog





# MYERS CENTRIFUGAL PUMPS

*Buy Myers Centrifugal Pumps On Capacities—Not On Pipe Sizes*

Close Coupled

Fig. 2879

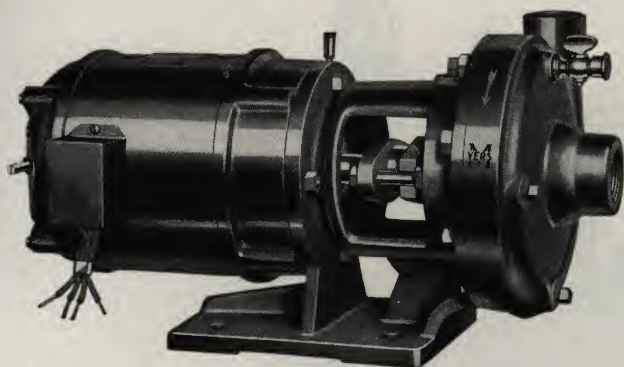
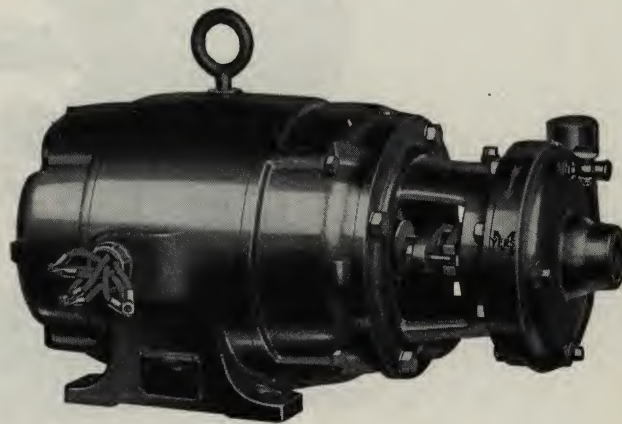


Fig. 2880



**MYERS** Close Coupled Centrifugal Pumps, Motor Driven, provide the neatest and most compact pumping unit so far developed. Their small size and weight make them particularly desirable for permanent installations in crowded places or for portable service.

The impellers and cases are exactly like those of the same size in the 4000 Series, hence the regular performance curves and tables apply.

The motor shaft is extended to take the impeller,

and is covered with a bronze sleeve from the impeller to the motor bearing, so that no wear will come on the shaft itself. All motors are ball bearing, and all motors above  $\frac{3}{4}$  HP are splash proof. Single Phase motors larger than  $\frac{1}{4}$  HP are 110/220 volts.  $\frac{1}{4}$  HP Single Phase motors are 110 volts only. Three Phase motors are 220 volts only in fractional horsepower sizes, but are 220/440 volts in larger sizes.

For motors other than those shown, price on application.

## PRICE LIST, Figs. 2879 and 2880

Fig. No.	Pump Number	Max. Dia. Impeller	H.P.	R.P.M.	Max. Head at Shut off. Feet	Code	Sgl. Ph. 60 cy. Motor Price	Code	3 Ph. Sq. Cage 60 cy. Motor Price	Add for Bronze Open Impeller
2879	4100 $\frac{3}{4}$	5 "	$\frac{1}{4}$	1750	21	LESAH	\$ 59.00	.....	.....	\$2.75
2879	4100 $\frac{3}{4}$	5 $\frac{1}{2}$ "	$\frac{1}{3}$	1750	27	LESEZ	72.00	.....	.....	2.75
2879	4100 $\frac{3}{4}$	6 "	$\frac{1}{2}$	1750	34	LESIR	82.00	LETGU	\$91.00	2.75
2879	4101	5 "	$\frac{1}{2}$	1750	24	LESTU	84.00	LETJO	93.00	3.10
2880	4101	6 "	$\frac{3}{4}$	1750	37	LESUS	92.00	LETMI	100.00	3.10
2880	4200 $\frac{3}{4}$	5 "	2	3450	82	LESWO	165.00	LETOD	158.00	2.75
2880	4200 $\frac{3}{4}$	5 $\frac{1}{2}$ "	3	3450	112	LETAG	195.00	LETUR	168.00	2.75
2880	4200 $\frac{3}{4}$	6 "	5	3450	137	LETBE	254.00	LEVCA	198.00	2.75
2880	4201	5 "	3	3450	97	LETDA	197.00	LEV DY	170.00	3.10
2880	4201	6 "	5	3450	138	LETEY	256.00	LEV EW	200.00	3.10

Add for Bronze Closed Impeller on Nos. 4101 and 4201 .....\$4.60

Not Recommended for Pumping Gasoline

In Ordering give the Figure Number as well as the Pump Number

REPAIRS: See Pages 180 to 182, No. R40 Repair Catalog

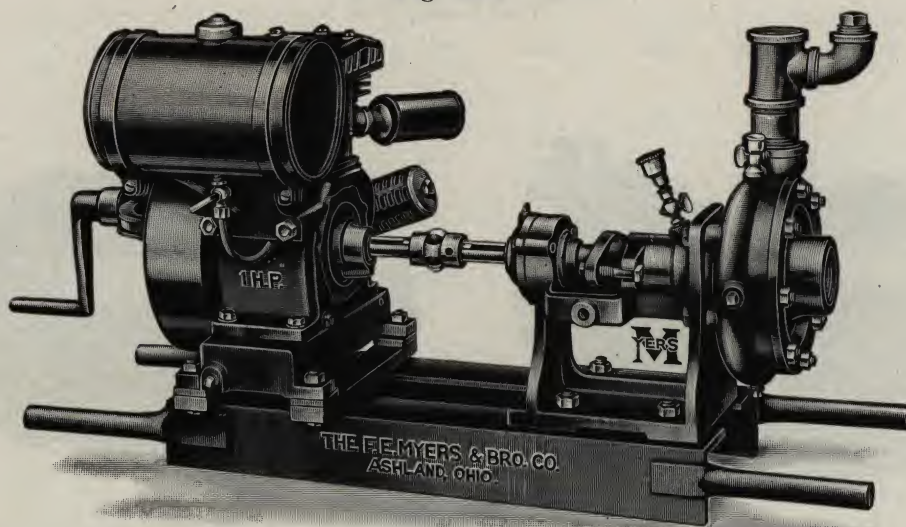




# MYERS PORTABLE CENTRIFUGAL PUMPING UNIT

*Buy Myers Centrifugal Pumps On Capacities—Not On Pipe Sizes*

Fig. 2876



*Floor Space: Length Over-all, 37½", Width 17", Height 20"*

**T**HE Myers Portable Centrifugal Pumping Unit is an all-purpose outfit for use in pumping either clear or dirty water from Cellars, Reservoirs, Trenches, Sewers, Creeks or Shallow Wells; in fact, from any source where the vertical suction distance does not exceed 15 feet.

The Pump is our regular Centrifugal Nos. 4000¾, 4001 and 4001½, with Ground Steel Shaft, Ball Bearing, Volute Casing and Cast Iron Open Impeller, (Closed Impeller if specified on order) with nipple, tee

and plug for convenient priming. A Foot Valve should be used. The Pump is fully described on previous pages.

**ENGINE:** 1750 to 2000 R. P. M., High Class Dependable Fullpower, 4 Cycle, Air Cooled, with Carburetor, Air Cleaner and Hot Spark High Tension Magneto built in—always ready to go, easy starting. Direct connected with flexible coupling. All mounted on an Arc-Welded Angle Steel Frame, with handles.

This Pumping Unit is very popular with Contractors, as it is light, compact, and easily handled by two men.

## CAPACITIES AND HEADS

Gallons per Minute	120	115	110	100	90	75	60	30	20	10
Head in Feet, 4000¾EP								15	28	38
Head in Feet, 4001 EP						20	32	46	48	
Head in Feet, 4001½EP	13	16	18	22	26	32	38	47	49	

## PRICE LIST, Represented by Fig. 2876

No.	Description	Price
No. 4000¾ EP,	Myers Portable Centrifugal Pump Unit with 6" Open Impeller and ½ H. P. Engine. Weight 125 Lbs. .... LIYSU	\$106.00
No. 4001EP,	Myers Portable Centrifugal Pump Unit with 6" Open Impeller and 1 H. P. Engine. Weight 150 Lbs. .... LIYTS	125.00
No. 4001½EP,	Myers Portable Centrifugal Pump Unit with 6" Open Impeller and 1 H. P. Engine. Weight 170 Lbs. .... LEPGY	134.00
	2" Brass Hose Nipple for Suction Hose, Extra .....	2.00

**Not Recommended for Pumping Gasoline**

**Other Sizes of Myers Centrifugal Pumps can be furnished as Portable Units**  
Prices on request

**REPAIRS:** See Pages 180 to 182, No. R40 Repair Catalog





# MYERS CENTRIFUGAL PUMPS

*Buy Myers Centrifugal Pumps On Capacities—Not On Pipe Sizes*

Fig. 2803

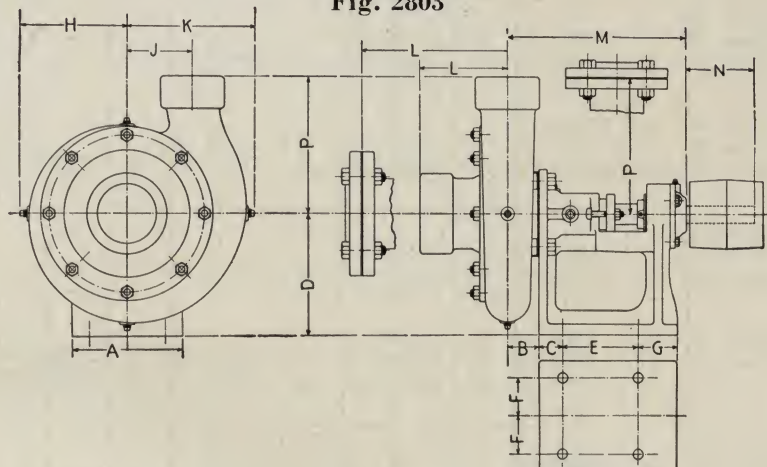


Plate 4

Dimension Sheet

Pump No.	4000 $\frac{3}{4}$	4001	4001 $\frac{1}{2}$	4002	4011 $\frac{1}{2}$	4012	4013	4023
Discharge Flange Dia. Bolt Circle No. & Size Bolts	$\frac{3}{4}$ Threaded	1 Threaded	1 $\frac{1}{2}$ Threaded	2 Threaded	1 $\frac{1}{2}$ Threaded	2 Threaded	3 7 $\frac{1}{2}$ 6 Four $\frac{5}{8}$	3 7 $\frac{1}{2}$ 6 Four $\frac{5}{8}$
Suction Flange Dia. Bolt Circle No. & Size Bolts	1 Threaded	1 $\frac{1}{4}$ Threaded	2 Threaded	2 $\frac{1}{2}$ 7 5 $\frac{1}{2}$ Four $\frac{5}{8}$	2 Threaded	2 $\frac{1}{2}$ 7 5 $\frac{1}{2}$ Four $\frac{5}{8}$	4 9 7 $\frac{1}{2}$ Eight $\frac{5}{8}$	4 9 7 $\frac{1}{2}$ Eight $\frac{5}{8}$
A	6	6	7	7	8	8	8	9
B	2 $\frac{1}{8}$	2 $\frac{3}{16}$	1 $\frac{3}{4}$	2	1 $\frac{7}{8}$	2	2 $\frac{5}{16}$	2 $\frac{7}{16}$
C	1 $\frac{3}{16}$	1 $\frac{3}{16}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$
D	5	5	6 $\frac{5}{16}$	6 $\frac{5}{16}$	9	9	9	11
E	5 $\frac{1}{2}$	5 $\frac{1}{2}$	4 $\frac{5}{16}$	4 $\frac{5}{16}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	6 $\frac{5}{8}$
F	2	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{7}{8}$	2 $\frac{7}{8}$	2 $\frac{7}{8}$	3 $\frac{3}{8}$
G	1 $\frac{1}{16}$	1 $\frac{1}{16}$	2 $\frac{3}{8}$	2 $\frac{3}{8}$	3	3	3	3 $\frac{1}{8}$
H	4	4	4 $\frac{13}{16}$	5 $\frac{1}{8}$	6 $\frac{13}{16}$	7 $\frac{1}{16}$	7 $\frac{3}{4}$	8 $\frac{9}{16}$
J	3	3 $\frac{3}{16}$	3 $\frac{7}{16}$	3 $\frac{3}{4}$	4 $\frac{3}{4}$	5	4 $\frac{3}{4}$	5
K	4 $\frac{3}{8}$	4 $\frac{9}{16}$	5 $\frac{11}{16}$	6 $\frac{1}{4}$	7 $\frac{5}{8}$	8 $\frac{1}{8}$	8 $\frac{11}{16}$	10 $\frac{1}{8}$
L	1 $\frac{5}{8}$	2 $\frac{1}{2}$	2 $\frac{15}{16}$	4 $\frac{3}{16}$	2 $\frac{7}{8}$	4 $\frac{3}{16}$	4 $\frac{7}{8}$	4 $\frac{7}{8}$
M	9 $\frac{15}{16}$	10	10 $\frac{11}{16}$	10 $\frac{15}{16}$	12 $\frac{3}{4}$	12 $\frac{7}{8}$	13 $\frac{3}{16}$	14 $\frac{7}{16}$
N	2 $\frac{7}{16}$	2 $\frac{7}{16}$	3 $\frac{3}{8}$	3 $\frac{3}{8}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	5 $\frac{1}{8}$
P	4 $\frac{3}{8}$	4 $\frac{3}{8}$	4 $\frac{3}{4}$	4 $\frac{3}{4}$	6 $\frac{7}{8}$	6 $\frac{7}{8}$	8 $\frac{3}{4}$	9 $\frac{1}{4}$
Bolt Holes in Base Shaft Exten. Dia. Pulley Dia. & Face	$\frac{5}{8}$ 1 $\frac{1}{16}$ 3x2 $\frac{1}{2}$	$\frac{5}{8}$ 1 $\frac{1}{16}$ 3x2 $\frac{1}{2}$	$\frac{5}{8}$ 7 $\frac{1}{8}$ 4x3 $\frac{1}{2}$	$\frac{5}{8}$ 7 $\frac{1}{8}$ 4x3 $\frac{1}{2}$	$\frac{7}{8}$ 1 $\frac{1}{4}$ 5x5 $\frac{1}{2}$	$\frac{7}{8}$ 1 $\frac{1}{4}$ 5x5 $\frac{1}{2}$	$\frac{7}{8}$ 1 $\frac{1}{4}$ 5x5 $\frac{1}{2}$	$\frac{7}{8}$ 1 $\frac{5}{8}$ 7x6 $\frac{3}{4}$
Net weight, less pulley pounds	40	43	61	77	110	140	187 with flanges	250





# MYERS CENTRIFUGAL PUMPS

## Performance Table of Capacities, Speeds and Horsepower, Motor Driven

Head in Feet	10			15			20			25			30			35			40			50		
Pump No.	GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP
5000 $\frac{3}{4}$	25 36	1450 1750	0.17 0.23	15 30 38	1450 1750 2000	0.14 0.28 0.39	22 34	1750 2000	0.26 0.39	10 27	1750 2000	0.23 0.37	17	2000	0.35									
4000 $\frac{3}{4}$	16 26 36 44	1150 1450 1750 2000	0.18 0.32 0.49 0.72	21 32 41	1450 1750 2000	0.30 0.48 0.71	14 27 38	1450 1750 2000	0.27 0.46 0.70	22 34	1750 2000	0.43 0.68	14 30	1750 2000	0.38 0.67	25	2000	0.65	19	2000	0.62	67	3450	3.8
5001	25 45	1450 1750	0.17 0.33	15 38 46	1450 1750 2000	0.13 0.31 0.48	27 41	1750 2000	0.27 0.47	10 32	1750 2000	0.13 0.42	20	2000	0.37									
4001	32 57	1150 1450	0.23 0.53	47 66	1450 1750	0.52 0.86	34 59 76	1450 1750 2000	0.46 0.82 1.24	10 50 68	1450 1750 2000	0.35 0.75 1.20	37 60	1750 2000	0.68 1.12	17 50	1750 2000	0.52 1.04	37	2000	0.90	110	3450	5.2
5001 $\frac{1}{2}$	55 75	1150 1450	0.25 0.50	22 65 90	1150 1450 1750	0.20 0.47 0.88	50 85	1450 1750	0.42 0.85	75 103	1750 2000	0.80 1.30	57 92	1750 2000	0.72 1.23	33 79	1750 2000	0.62 1.17	67	2000	1.08			
4001 $\frac{1}{2}$	100 150	1150 1450	0.48 1.02	56 131	1150 1450	0.33 0.86	108 175	1450 1750	.82 1.82	55 155 200	1450 1750 2000	0.55 1.70 2.70	133 184	1750 2000	1.50 2.55	100 165	1750 2000	1.28 2.35	140	2000	2.15			
5002	69 105	1150 1450	0.32 0.71	41 95 128	1150 1450 1750	0.25 0.67 1.24	78 118	1450 1750	0.60 1.20	48 107 138	1450 1750 2000	0.47 1.14 1.80	92 128	1750 2000	1.04 1.74	66 116	1750 2000	0.86 1.64	23 98	1750 2000	0.64 1.50	50	2000	1.00
4002	170 237	1150 1450	0.71 1.58	100 212	1150 1450	0.56 1.50	176 274	1450 1750	1.35 2.44	110 244 300	1450 1750 2000	1.12 2.34 3.35	210 284	1750 2000	2.10 3.30	160 257	1750 2000	1.72 3.18	224	2000	2.90			
5011 $\frac{1}{2}$				126	1150	1.30	114	1150	1.25	99 151	1150 1450	1.20 2.50	79 143	1150 1450	1.06 2.45	55 132	1150 1450	0.95 2.35	25 118	1150 1450	0.82 2.20	92 160	1450 1750	2.00 4.00
4011 $\frac{1}{2}$	155	1150	1.65	144	1150	1.60	129 185	1150 1450	1.56 3.40	115 176 240	1150 1450 1750	1.52 3.30 5.50	95 167 232	1150 1450 1750	1.42 3.10 5.50	70 156 225	1150 1450 1750	1.25 3.00 5.50	30 144 218 244	1150 1450 1750 2000	0.94 2.95 5.45 7.50	119 202 240	1450 1750 2000	2.80 5.90 7.70
5012							140	1150	1.45	120	1150	1.38	95	1150	1.25	65 180	1150 1450	1.15 2.90	20 160	1150 1450	1.00 2.80	110	1450	2.50
4012							228	1150	2.35	202 304	1150 1450	2.25 4.55	174 288	1150 1450	2.15 4.50	136 272	1150 1450	1.90 4.50	256 350	1450 1750	4.45 7.80	212 324	1450 1750	4.00 7.00
4013										448	1150	4.40	396	1150	4.10	328 650	1150 1450	3.70 9.20	200 594	1150 1450	3.00 9.10	488	1450	8.30
4023				400	860	3.4	340	860	3.20	260	860	2.7	590	1150	7.6	530	1150	7.4	460	1150	7.0	280 700	1150 1450	5.0 15.0

Ratings are for closed impellers (except No. 4000 $\frac{3}{4}$  and all 5000 series pumps which are furnished only with open impellers) pumping clear cold water. For other liquids consult the factory. Open impellers will deliver approximately the same capacities at slightly lower heads. (Next Page.)





# MYERS CENTRIFUGAL PUMPS

Performance Table of Capacities, Speeds and Horsepower, Motor Driven

60			70			80			90			100			110			120			130		
GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP	GPM	RPM	HP
54	3450	3.7	60	3450	3.6	56	3450	3.4	51	3450	3.3	45	3450	3.2	38	3450	3.1	29	3450	2.9	17	3450	2.6
58	3450	5.2	106	3450	5.2	102	3450	5.2	96	3450	5.0	88	3450	4.8	78	3450	4.5	62	3450	4.1	37	3450	3.4
45	1450	1.65																					
44	1750	3.80	120	1750	3.6	89	1750	3.2	51	1750	2.6	120	2000	5.2	87	2000	4.7	45	2000	4.3			
						157	2000	5.9	141	2000	5.6												
70	1450	2.15																					
64	1750	5.30	162	1750	5.10	133	1750	4.75	80	1750	3.90												
63	2000	7.85	222	2000	7.85	208	2000	7.80	190	2000	7.55	167	2000	7.35	140	2000	6.85	90	2000	5.65			
55	1450	2.10																					
56	1750	4.70	146	1750	4.40	100	1750	3.80	42	1750	3.40												
			216	2000	7.20	196	2000	6.90	170	2000	6.60	140	2000	6.25	90	2000	5.70						
46	1450	3.51																					
46	1750	7.60	262	1750	7.40	219	1750	6.80	144	1750	5.70												
			360	2000	11.00	335	2000	10.10	304	2000	9.90	266	2000	10.00	214	2000	9.00	150	2000	7.70			
68	1450	7.20																					
62	1750	15.40	608	1750	14.60	488	1750	13.20	355	1750	11.30												
20	1450	14.2																					
			530	1450	13.0	410	1450	11.8	240	1450	8.8												
			860	1750	28.0	780	1750	27.0	710	1750	25.8	630	1750	24.0	550	1750	22.0	400	1750	18.0	320	1750	16.0

By reducing impeller diameter or changing speed, pumps can be arranged for efficient operation at ratings lower than those given.

Actual performance may vary 5% plus or minus from ratings given.

These pumps are not recommended for speeds above 2000 R. P. M. if belt driven.





# MYERS CENTRIFUGAL PUMPS

Fig. 2919

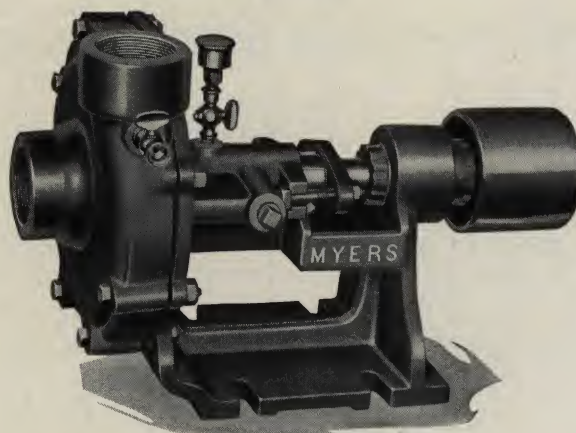


Fig. 2919—The 5000 Series—varies somewhat from the regular line, built to fill a specific demand and will be found useful in many other places. The main differences between the pumps and the regular line are in the impeller, the ball-bearing mounting, and the pipe connection.

The **impeller** on these pumps is of the open type only, but so designed that its efficiency is practically the same as the closed impeller would be.

The **outer bearing** is so designed that it may be locked on to the shaft at any point, making it easier to assemble or disassemble. The bearing and shaft may be shifted lengthwise in the pump by brass nuts on each side of the bearing. When the impeller runs as close as possible to the suction side of the volute case, the pump will deliver its maximum pressure, and hence capacity. By means of the brass nuts, the impeller may be pulled away from the suction side of the volute case, as much as  $\frac{1}{4}$  inch. In this way the pressure and capacity may be reduced, where not required, and less power will be used in operating the pump.

**Suction and discharge connections** are the same size. The discharge has been increased to the suction size—**Reduces Friction.**

Comparison of these two pumps with the 4000 line will show that for the same pipe size, these pumps will have somewhat smaller capacity. The required power is also reduced in the same proportion, so that the efficiency of the pumping unit, and consequently the cost per gallon pumped will be the same.

## PRICE LIST

Pump No.	Suction and Discharge Size	Belt Drive Fig. 2919		Code	For Motor Drive with Base complete Except Motor Price	H.P. Motor	Code	Motor Drive Complete with 1 Ph. Motor & Base Price	Code	Motor Drive Complete with 3 Ph. S.C. Motor & Base Price	Additional Charge For	
		Code	Pump only with Tight Pulley Price								Stainless Steel Shaft Price	Bronze Open Impeller Price
5000 $\frac{3}{4}$	$\frac{3}{4}$	LITUV	\$28.00	LIVFY	\$38.00	$\frac{1}{4}$	LIVHU	\$60.00			\$2.25	\$2.25
5001	1	LIVIS	29.00	LIVKO	41.00	$\frac{1}{4}$	LIVOF	63.00			2.25	2.25
5001 $\frac{1}{2}$	1 $\frac{1}{2}$	LINGE	31.00	LINJY	45.00	$\frac{3}{4}$	LIPEG	95.00	LIPHA	\$ 93.50	2.50	2.50
5002	2	LINON	33.00	LINUB	50.00	$\frac{3}{4}$	LIPIY	100.00	LIPUZ	98.00	2.50	3.10
5002	2	LIRIW	33.00	LISED	50.00	1	LIPKU	112.00	LIRAM	107.00	2.50	3.10
5011 $\frac{1}{2}$	1 $\frac{1}{2}$	LIRJU	47.50	LISIV	65.50	3	LISYO	198.00	LITFA	160.00	2.75	4.40
5011 $\frac{1}{2}$	1 $\frac{1}{2}$	LIRMO	47.50	LISSA	65.50	5	LITAK	261.00	LITGY	179.00	2.75	4.40
5012	2	LIROJ	50.50	LISTY	75.00	5	LITBI	270.00	LITLO	188.00	2.75	5.50
5012	2	LISAL	50.50	LISUW	75.00	7 $\frac{1}{2}$	LITDE		LITOH	219.00	2.75	5.50

Net Weights: 5001 $\frac{1}{2}$  60 lbs. 5002 65 lbs. 5011 $\frac{1}{2}$  105 lbs. 5012 115 lbs.

Motors listed above are 60 Cycle, A. C., 1750 R.P.M., without Controls. For Motors with different speed or current characteristics, prices on application. Not Recommended for Pumping Gasoline.

Standard Equipment has Plain Steel Shaft and Open Cast Iron Impeller. Special Equipment charged extra as above. For capacity ratings see curves, and the table on page 194.

REPAIRS: See Pages 181 to 182, No. R40 Repair Catalog

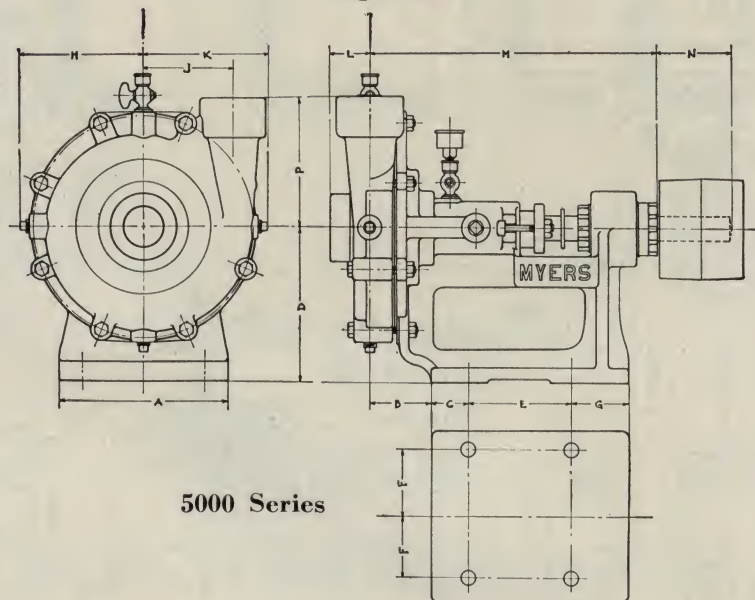




# MYERS CENTRIFUGAL PUMPS

*Buy Myers Centrifugal Pumps On Capacities—Not On Pipe Sizes*

Fig. 3010



5000 Series

Dimension Sheet

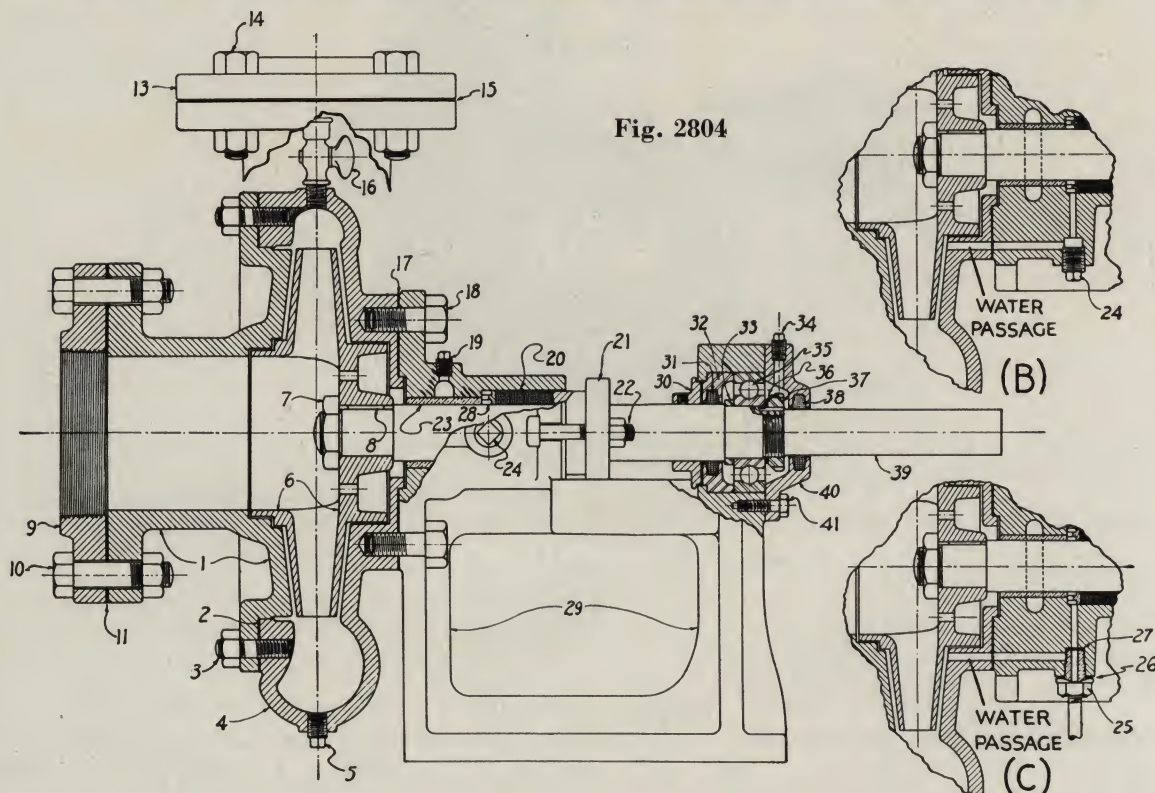
Pump No.	5000 $\frac{3}{4}$	5001	5001 $\frac{1}{2}$	5002	5011 $\frac{1}{2}$	5012
Discharge	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	1 $\frac{1}{2}$	2
Suction	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	1 $\frac{1}{2}$	2
A	6	6	7	7	8	8
B	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{11}{16}$	2 $\frac{13}{16}$	1 $\frac{3}{4}$	1 $\frac{15}{16}$
C	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{9}{16}$	1 $\frac{9}{16}$	1 $\frac{13}{16}$	1 $\frac{13}{16}$
D	5	5	6 $\frac{5}{16}$	6 $\frac{5}{16}$	9	9
E	5 $\frac{1}{2}$	5 $\frac{1}{2}$	4 $\frac{5}{16}$	4 $\frac{5}{16}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$
F	2	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{7}{8}$	2 $\frac{7}{8}$
G	$\frac{3}{4}$	$\frac{3}{4}$	2 $\frac{3}{8}$	2 $\frac{3}{8}$	3 $\frac{1}{8}$	3 $\frac{1}{8}$
H	4	4	5 $\frac{1}{4}$	5 $\frac{1}{4}$	6 $\frac{3}{4}$	6 $\frac{3}{4}$
J	2 $\frac{3}{4}$	2 $\frac{3}{4}$	3 $\frac{11}{16}$	3 $\frac{3}{4}$	5 $\frac{3}{16}$	5 $\frac{5}{8}$
K	4	4	5 $\frac{1}{4}$	5 $\frac{1}{4}$	6 $\frac{3}{4}$	7 $\frac{1}{8}$
L	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{5}{8}$	2 $\frac{3}{8}$	2 $\frac{11}{16}$	2 $\frac{15}{16}$
M	9 $\frac{5}{8}$	9 $\frac{5}{8}$	12 $\frac{1}{16}$	12 $\frac{3}{16}$	12 $\frac{13}{16}$	12 $\frac{15}{16}$
N	2 $\frac{11}{16}$	2 $\frac{11}{16}$	2 $\frac{15}{16}$	2 $\frac{15}{16}$	4 $\frac{1}{8}$	4 $\frac{1}{8}$
P	4 $\frac{1}{8}$	4 $\frac{1}{8}$	5 $\frac{3}{8}$	5 $\frac{3}{8}$	6 $\frac{7}{8}$	6 $\frac{7}{8}$
Bolt Holes in Base	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{7}{8}$	$\frac{7}{8}$
Shaft Exten. Dia.	$\frac{3}{4}$	$\frac{3}{4}$	1	1	1	1
Pulley Dia. & Face	3x2 $\frac{1}{2}$	3x2 $\frac{1}{2}$	4x3 $\frac{1}{2}$	4x3 $\frac{1}{2}$	4x3 $\frac{1}{2}$	4x3 $\frac{1}{2}$
Net Weight, less Pulley Pounds	38	38	64	70	105	115





# MYERS CENTRIFUGAL PUMPS

*Buy Myers Centrifugal Pumps On Capacities—Not On Pipe Sizes*



Insets (B) & (C) are horizontal sections thru the center of the shaft and show how water is supplied to the water sealing ring. Pumps are shipped as shown at (B), ready to handle clear water. If the water being pumped must be kept out of the bearing, the pipe plug is replaced by the water seal fitting as shown at (C). A clean water supply or a grease cup may be attached to this fitting.

## Information Required With Inquiries For Centrifugal Pumps

Number of Pumps required.

Capacity of each pump in U.S. Gallons per minute.

Total vertical distance (head) from surface of water to be pumped, up to level of discharge.

Suction lift, from surface of water to be pumped, up to center of pump.

Discharge head, from center of pump, up to level of discharge.

Does pump discharge against pressure? For example into a pressure tank or pipe line, or thru nozzles. Give pressure and details of requirements.

Will the suction lift or discharge head vary? What are maximum and minimum heights?

Length, and diameter of suction pipe and number of fittings.

Length, and diameter of discharge pipe and number of fittings.

Character of liquid to be pumped—clear water, gritty, brine, sewage, acid, alkaline, temperature, specific gravity.

What type driving unit is preferred? If motor, give voltage for direct current; or voltage, phases, cycles, for alternating current. If belt driven, give dimensions and R.P.M. of driving pulley.

Please give all data which would affect the installation in any way—for example—location of pump, purpose or service of pump, operation continuous or intermittent, special conditions. Give sketch of installation if possible.

Consult us freely on any pumping problem. It is our business and our pleasure to advise you correctly, without obligating you in any way.



# MYERS

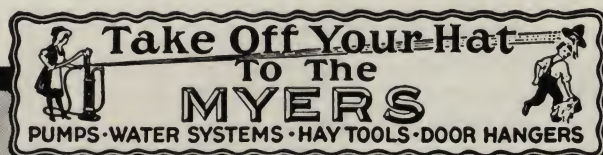
## MYERS CONDENSATE UNITS AND HOT WATER PUMPS

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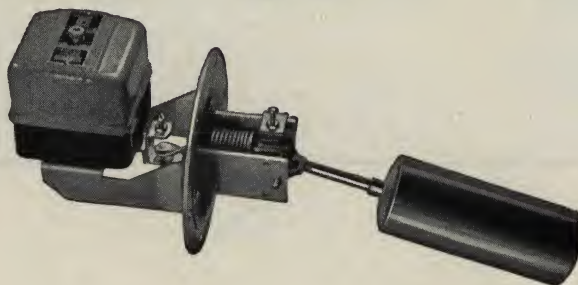


# MYERS CONDENSATE RETURN UNITS

*Self-Oiling Perfect and Continuous Lubrication*

PATENTED

Fig. 3124



Float Switch

WHERE the lowest point in a steam heating system is below the water level in the boiler, it is necessary to provide a pump to return the condensate (water) to the boiler. The receiver tank with an automatic start and stop control for the pump makes it unnecessary for the pump capacity to exactly match the rate of condensate formation. For the sake of efficiency the size of tank and pump for each of the various radiation capacities is so chosen that the water will be returned to the boiler while yet hot.

These units are intended for operation only where the condensate returns to the receiving tank at atmospheric pressure. The receiving tanks are not suitable for receiving the return water under pressure.

Automatic Control is obtained by the use of a Float Switch which starts the Pump when the collected condensate in the Receiving Tank reaches a predetermined high level and stops it again when the liquid is lowered by the Pump to a predetermined low level. The switch has a positive snap action. There is no sparking at any time and no burned contacts. Well made, smooth working and trouble free.

On top of the receiver tank is located an air cock and check valve. The air cock is to be opened just enough to relieve the tank of air as fast as condensate enters the tank. The check valve allows air to enter the tank as fast as the condensate is pumped out.

All Receiver Tanks are of extra heavy, copper bearing galvanized steel, (No. 10 gauge shell and  $\frac{3}{16}$ "

heads); have 3" pipe tapping for the water inlet from the heating system, and water level gauge glass.

All single phase motors except the  $\frac{1}{6}$  and  $\frac{1}{4}$  H.P. sizes are of the repulsion induction 110-220 volt type. The  $\frac{1}{6}$  and  $\frac{1}{4}$  H.P. motors are capacitor single voltage type with thermal overload protection built in. All single phase motors 1 H.P. and smaller are controlled directly by a two pole float switch which also provides overload and low voltage protection, while the larger single phase motors are controlled thru a magnetic starter with the float switch functioning as a pilot. In the latter case the overload and low voltage protection is in the magnetic starter. All units powered with three phase motors include magnetic starters with the float switch operating only as a pilot.

All plunger type pumps operating on 3 phase current are powered by automatic start type motors having high starting torque and low starting current characteristics. Squirrel cage motors are used only on centrifugal pumps where the required starting torque is low.

From the tabulation and specifications shown in connection with each unit number it will be possible in some cases to select either a Centrifugal Pump or Double Acting Plunger Type Pump for the same capacity and pressure. This will make it possible to select the best type of pump for any specific application.

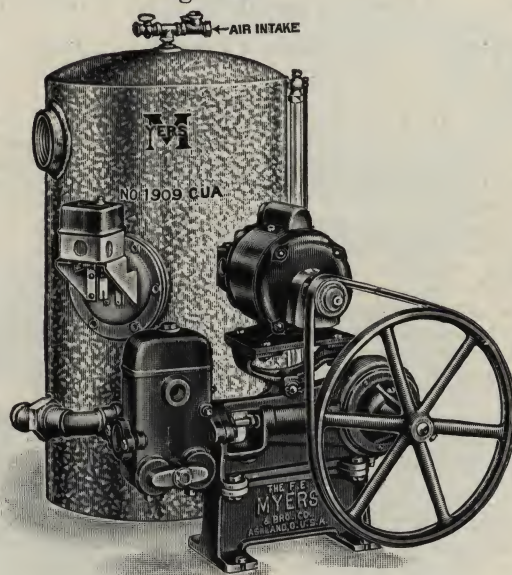
The Myers Self-Oiling Pump with the Float Switch Guarantees a Dependable Condensate Unit.





# MYERS CONDENSATE RETURN UNITS

Fig. 3238



Floor Space  
Width 27" Depth 29"  
Height 32"

For General Information on Condensate Units See Page 200

**Perfect and Continuous Lubrication    No Personal Attention Necessary**  
**Motor Driven    Automatically Controlled    Economical    Efficient**

## SPECIAL FEATURES OF THE PUMP

Accurately Machined Parts; Perfect and Continuous Lubrication; Large Valves so located that each one can be removed without disturbing any other Valve or any other part of the Pump or Pipe. The Suction Valves are placed **BELOW** the Cylinder and the Discharge Valves **ABOVE**, this avoids all right or acute angle turns in the passage of the water through the Pump from suction to discharge—Direct Water-Ways. All parts fully enclosed, excluding dust and dirt, insuring long life and service. The Pulley Shaft Extends through the Pump with two Self-Oiling and Self-Cleaning Removable Bearings (total length  $4\frac{1}{2}"$  and  $5\frac{1}{4}"$ )—one located on each side of the Pitman Bearing that allows the used oil to pass around the end of the Shaft and Bearing, washing out all Sediment before returning to the Oil Sump. A  $2\frac{1}{8}"$  Pitman Bearing running in oil, which is over 4 times the

size of connection used on other similar Pumps, as they generally use a  $\frac{1}{2}"$  or  $\frac{5}{8}"$  crank pin.

Individual Air Chambers over Discharge Valves thoroughly cushion the stream and prevent pounding—Noiseless.

Pumps are fitted with Semi-Steel Pitman, Brass Cross Head, Stainless Steel Piston Rod, Brass Plunger Castings, Valve Seats and Valve Posts, Seamless Brass Lined Cylinder and Quick-Closing Brass Valves.

Plungers fitted with heat resisting cup packing, and can be removed and replaced as a complete unit.

V-Type Endless Belt with an adjustable feature for tightening the belt when needed.

These special features of the Myers Pump in connection with the highest class Motor, guarantee to the purchaser the maximum in value.

## MYERS CONDENSATE UNITS—SPECIFICATIONS AND PRICES

Unit No.	Max. No. of Sq. Ft. of Radiation	G.P.M. of Condensate	Pump Capacity G.P.M.	Receiver Tank Capacity Gal.	Max. Pressure at Pump Lb. per Sq. In.	Type of Pump	R.P.M.	Disch. Pipe Size	H.P. Motor	Code	Unit Complete with 60 Cycle 1 Ph. Motor & Base Price
1906CUA } 1906CUB }	2000	1	4.2 4.2	20	45 60	Recip. Recip.	210 210	$\frac{3}{4}$ $\frac{3}{4}$	$\frac{1}{6}$ $\frac{1}{4}$	LEZIK LEZUL	\$110.00 114.00
1909CUA } 1909CUB }	3000	$1\frac{1}{2}$	5.7 5.7	20	45 60	Recip. Recip.	210 210	$\frac{3}{4}$ $\frac{3}{4}$	$\frac{1}{4}$ $\frac{1}{3}$	LIBBA LIBHO	114.00 122.00

Notice: Order by Unit Number. Specify Type of Motor Wanted.





# MYERS CONDENSATE RETURN UNITS

100 Pounds Pressure

Each Pump Tested Under 125 Pounds Pressure

Center Line Drive

No Side Thrust

Back Geared 5 to 1

**T**HE Myers Self-Oiling Bulldozer Power Pump, is a single cylinder, double-acting power pump for supplying water under pressure up to 100 lbs. per square inch.

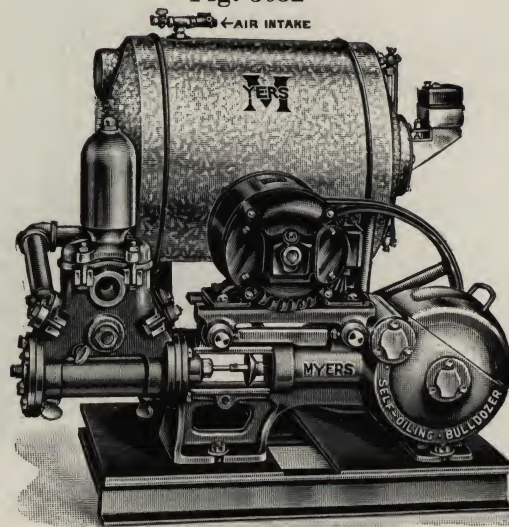
The power end consists of a one-piece casting which forms the base of the pump and oil reservoir, and in connection with a lid encloses all working parts, protecting them from dirt or injury, and securing safety of operation. This casting is completely machined at one setting for all bearings, the crosshead, cylinder head and shaft bearings, insuring alignment of all working parts. The pinion and gear are mounted between double bearings. Both gear and pinion are machine cut from the solid—the gear is cast iron and the pinion steel. An eccentric cast integral with the main gear operates the crosshead through a connecting rod which is adjustable for wear at the eccentric end, and is fitted with a renewable bronze bushing at the crosshead end. The crosshead is of large diameter running in a bored guide. From the oil reservoir in the base oil is carried by the main gear to the highest parts of the pump, and by a system of channels distributed to all moving parts and returned again to the reservoir. This system of flood lubrication contributes quiet operation and long life, with a minimum of attention.

The cylinder, which is brass lined, is a one-piece casting, attached to the power end by heavy bolts. Large bronze valves on bronze grid seats are easily accessible for inspection and repair without disturbing pipe connections.

Plungers fitted with heat resisting packing.

Asbestos Graphite Piston Rod Packing.

Fig. 3032



For General Information on Condensate Units See Page 200

## Floor Space

20 Gallon Tank

Width 37"

Depth 38"

Height 32½"

40 or 60 Gallon Tank

Width 56"

Depth 46"

Height 41"

Unit No.	Max. No. of Sq. Ft. of Radiation	G.P.M. of Condensate	Pump Capacity G.P.M.	Receiver Tank Capacity Gal.	Max. Pressure at Pump Lb. per Sq. In.	Type of Pump	R.P.M.	Disch. Pipe Size	H.P. Motor	Code	Unit Complete with 60 Cycle 1 Ph. Motor & Base Price	Code	Unit Complete with 3 Ph. Motor & Base Price
V931CUB	3000	1½	4.5	20	100	Recip.	70	1	½	LIBIM	\$175.00	LIHMY	\$205.00
V912CUA	5000	2½	9	20	10	Recip.	70	1¼	⅓	LIBKI	170.00	LIHOT	205.00
V912CUB					50	Recip.	70	1¼	½	LIBME	175.00		
V912CUC					75	Recip.	70	1¼	¾	LIBOZ	185.00		
V912CUD					100	Recip.	70	1¼	1	LIBUN	205.00		
V913CUA	10,000	5	17	20	50	Recip.	70	1½	1	LICNA	225.00	LIJOR	255.00
V913CUB					75	Recip.	70	1½	1½	LICTO	263.00	LIKAT	275.00
V913CUC					100	Recip.	70	1½	2	LICUM	313.00	LIKEL	300.00
V914CUA	20,000	10	28	40	45	Recip.	52	2	1½	LIDGO	325.00	LIKZU	335.00
V914CUB					60	Recip.	52	2	2	LIDJI	378.00	LILCO	362.00
V914CUC					100	Recip.	52	2	3	LIDUL	405.00	LILEK	372.00
V914CUD	25,000	12½	35	40	50	Recip.	65	2	2	LIFMA	378.00	LILOP	362.00
V914CUE					75	Recip.	65	2	3	LIFUJ	405.00	LIMAR	372.00
V914CUF					100	Recip.	65	2	5	LIGAX	522.00	LIMEJ	460.00
V915CUB	40,000	20	51	60	25	Recip.	60	2½	1½	LIHAW	400.00	LIMVA	410.00
V915CUC					50	Recip.	60	2½	3	LIHBU	425.00	LIMWY	390.00
V915CUD					75	Recip.	60	2½	5	LIHIG	525.00	LINBO	464.00

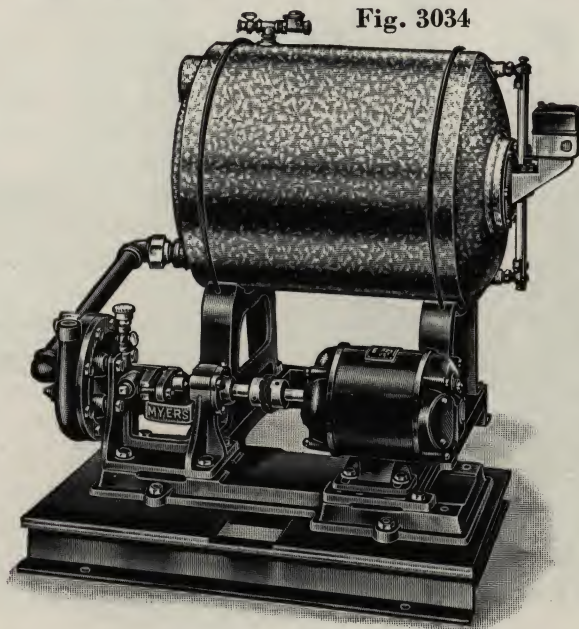
Notice: Order by Unit Number. Specify Type of Motor Wanted. Specify actual Voltage at which Motors will be operated.





# MYERS CONDENSATE RETURN UNITS

Fig. 3034



## Floor Space

### 20 Gal. Tank

Width	35"
Depth	38"
Height	32½"

## Floor Space

### 40 Gal. Tank      60 Gal. Tank

Width	37"	49"
Depth	43"	43"
Height	41"	41"

For General Information on Condensate Units See Page 200

## Buy Myers Centrifugal Pumps On Capacities—Not On Pipe Sizes

**M**YERS Horizontal Single Stage, Single Suction Centrifugal Pumps are of simple, durable construction, high in efficiency and quality but moderately priced. Mechanically and hydraulically they embody the most recent advances in design.

The critical purchaser will appreciate refinements which are usually found only in higher priced equipment. Anti-friction bearings and precision machine work insure dependable performance and long life.

## MYERS CONDENSATE UNITS—SPECIFICATIONS AND PRICES

Unit No.	Max. No. of Sq. Ft. of Radiation	G.P.M. of Condensate	Pump Capacity G.P.M.	Receiver Tank Capacity Gal.	Max. Pressure at Pump Lb. per Sq. In.	Type of Pump	R.P.M.	Disch. Pipe Size	H.P. Motor	Code	Unit Complete with 60 Cycle 1 Ph. Motor & Base Price	Code	Unit Complete with 3 Ph. Motor & Base Price
4000¾CUA 4001CUA 4200¾CUB 4200¾CUC	10,000	5	17	20	9 12 28 53	Cent. Cent. Cent. Cent.	1750 1750 3450 3450	1 1¼ 1 1	½ ¾ 2 3	LICAB LICET LICIL LICOY	\$162.00 182.00 315.00 357.00	LIJEM LIJGI LIJKA LIJUF	\$188.00 201.00 258.00 272.00
4000¾CUD 4001CUB 4200¾CUE 4200¾CUF	20,000	10	28	40	7 11 24 49	Cent. Cent. Cent. Cent.	1750 1750 3450 3450	1 1¼ 1 1	½ ¾ 2 3	LICWI LIDBY LIDES LIDIK	171.00 191.00 324.00 366.00	LIKID LIKPO LIKWA LILAS	197.00 210.00 267.00 281.00
4001CUC 4200¾CUG 4200¾CUH 4200¾CUJ 4201CUD	25,000	12½	35	40	10 20 35 46 54	Cent. Cent. Cent. Cent. Cent.	1750 3450 3450 3450 3450	1¼ 1 1 1 1¼	¾ 2 3 5 5	LIFAY LIFCU LIFFO LIEKE LIFOV	191.00 324.00 366.00 425.00 427.00	LILHE LILJA LILKY LILMU LILUD	210.00 267.00 281.00 333.00 336.00
4001CUE 4200¾CUK 4200¾CUL 4201CUF	40,000	20	51	60	7 10 25 51	Cent. Cent. Cent. Cent.	1750 3450 3450 3450	1¼ 1 1 1¼	¾ 2 3 5	LIGEP LIGIH LIGYA LIHHI	202.00 335.00 376.00 437.00	LIMIB LIMRI LIMUC LIMYU	221.00 278.00 290.00 345.00

Notice: Order by Unit Number, Specify Type of Motor Wanted. Specify actual Voltage at which Motors will be operated.





# MYERS PUMPS FOR HANDLING HOT WATER

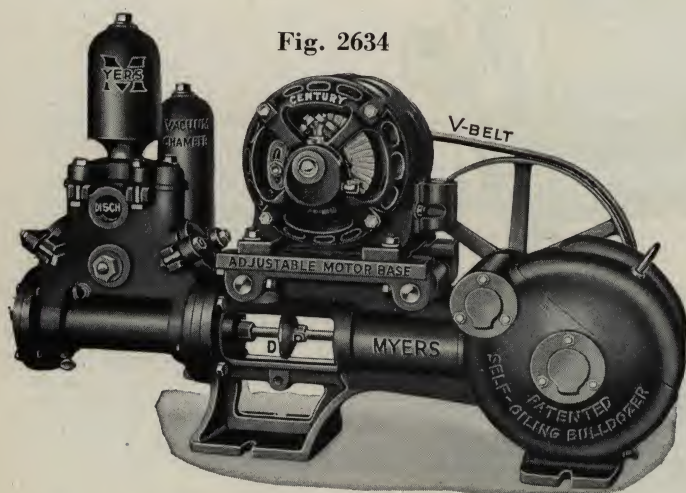


Fig. 2634

The construction of the Myers Bulldozer type Power Pumps appearing on Pages 99-104, 110-111 and illustrated by Fig. 2634, left, adapts them for handling hot water in circulating systems and for other similar applications.

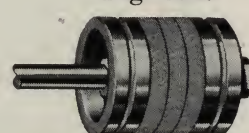
For this type of service, brass valves Fig. 2433, and telescope style of plunger, Fig. 3240 with hydraulic packing, and special gaskets are standard equipment.

These pumps are also used extensively as replacement pumps for Condensate Return Units.

Fig. 2433

Brass Valves  
LAYRO

Fig. 3240

Hydraulic Packing  
LAYWE

PUMP SIZES	1 3/4"x3" CYL.	2 1/2"x3" CYL.	2 1/4"x4" CYL.	3"x4" CYL.	4"x5" CYL.	5"x5" CYL.	6"x6" CYL.	8"x8" CYL.
Extra for Pumps Listed on Pages 99-104, 110-111, when fitted as above for hot water pumping	\$3.00	\$3.00	\$3.00	\$6.00	\$8.00	\$12.00	\$14.00	*\$15.00

\* Fitted with Canvas Cups

Where the service requirements for handling hot water are not greater than 5.7 G.P.M. the Myers Electric Pump, Fig. 3239, is particularly suitable. It is the same design as the extremely popular Myers Self-Oiling Pumps regularly furnished as standard equipment with the smaller types of Myers Water Systems. Especially adapted for the same type of service as the larger units described above these pumps are fitted with special plunger cups, packing, gaskets and brass valves providing a high degree of efficiency when used for the purpose for which they are built. For complete description of pumps see Page 201.

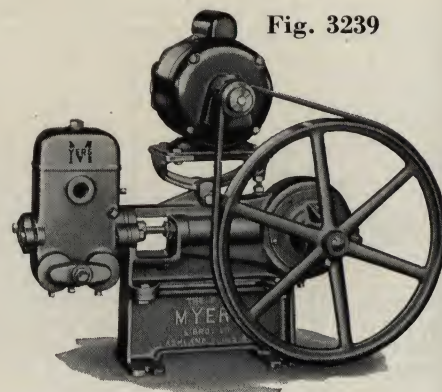


Fig. 3239

Catalog Number	Max. No. of Sq. Ft. of Radiation	G.P.M. of Condensate	Pump Capacity G.P.M.	Max. Pressure at Pump Lb. per Sq. In.	Type of Pump	R.P.M.	Disch. Pipe Size	H.P. Motor	Code	With 60 Cycle 1 Ph. Motor & Base Price
1906CA/ 1906CB/	2000	1	4.2 4.2	45 60	Recip. Recip.	210 210	3/4 3/4	1/6 1/4	LOCAH LOCEZ	\$55.00 59.00
1909CA/ 1909CB/	3000	1 1/2	5.7 5.7	45 60	Recip. Recip.	210 210	3/4 3/4	1/4 1/3	LOCIR LOCRY	59.00 67.00

Notice: Order by Catalog Number. Specify Type of Motor Wanted.



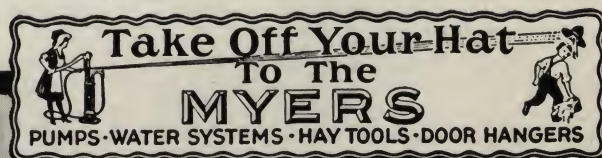
# MYERS

## PUMP AND WATER SYSTEM ACCESSORIES

Pump Rod and Couplings, Valves, Strainers, Air Chambers, Sanitary Pump Bases and Well Caps, Relief Valves, Pressure and Vacuum Gauges, Drive Well Points, Floats, Tools, Hydrants, Hose, Automatic Air Volume Control Valves, Electric Switches, V-Belts, Silent Chain, Motor Pulleys and Pressure Tanks.

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FOR REPAIRS SEE REPAIR CATALOG



ACCES-  
SORIES

HAND  
SPRAY

POWER  
SPRAY

SPRAY  
ACCESS.

POWER  
WASHERS

HAY  
TOOLS

DOOR H.  
TORE L.

ENG.  
DATA

INDEXES





# WOOD PUMP ROD AND COUPLINGS

Fig. 360 OBHLA



Fig. 360, For 1 inch and  $1\frac{1}{8}$  inch wood rod, pin threaded for  $\frac{3}{8}$  inch pipe, per set. Weight  $1\frac{1}{4}$  lbs. ....  
 Fig. 360, For 1 inch and  $1\frac{1}{8}$  inch wood rod, pin threaded for  $\frac{5}{8}$  inch pin, per set. Weight  $1\frac{1}{4}$  lbs. ....

Price  
Galv. \$ .50  
\$ .50

State which is wanted.

RIVETS NOT INCLUDED—BLACK, PER POUND.....\$ .20

## Wrought Forged Pump Rod Couplings for Octagon Wood Rod

Fig. 2555



State Whether Black or Galvanized is wanted

		Price Black	Price Galvanized
For $1\frac{1}{8}$ " Wood Rods, $\frac{5}{8}$ " box and pin (for 2 " or $2\frac{1}{2}$ " Pipe) Weight each $1\frac{1}{2}$ lbs.....	OBRGA	\$1.35	OCCIT \$1.70
For $1\frac{5}{8}$ " Wood Rods, $\frac{1}{2}$ " box and pin (for $2\frac{1}{2}$ " or 3 " Pipe) Weight each 7 lbs.....	OBRHY	1.95	OCCOV 2.40
For $1\frac{7}{8}$ " Wood Rods, 1 " box and pin (for 3 " or $3\frac{1}{2}$ " Pipe) Weight each 9 lbs.....	OBRW	3.00	OCCUW 3.75
For $2\frac{1}{4}$ " Wood Rods, $1\frac{1}{8}$ " box and pin (for 4 " to 6 " Pipe) Weight each 15 lbs.....	OBRJU	4.75	OCDAS 6.00
For $3\frac{1}{2}$ " Wood Rods, $1\frac{1}{2}$ " box and pin (for 7 " to 10" Pipe) Weight each 30 lbs.....	OBROJ	12.00	OCEES 15.00
RIVETS NOT INCLUDED—BLACK, PER POUND.....\$ .20—COPPER, PER POUND.....\$ .75			

## Octagon Wood Rod Fitted with Couplings

Fig. 1208



Random Lengths, 14 to 22 feet. State if Black or Galvanized Couplings are Wanted

	Approx. Wt. per 100 Ft.	With Black Couplings & Rivets	Price Per 100 Feet With Galvanized Couplings & Copper Rivets
$1\frac{1}{8}$ " Wood Rod with Fig. 360 Galv. Couplings. ....	30 lbs.		OCDTET * \$13.50
$1\frac{1}{8}$ " Wood Rod fitted with Fig. 2555 Coupling (like Fig. 1208) ....	45 lbs.	OBRYP \$15.60	OCDIL 17.35
$1\frac{5}{8}$ " Wood Rod fitted with Fig. 2555 Coupling (like Fig. 1208) ....	100 lbs.	OBSAL 26.00	OCDNA 28.90
$1\frac{7}{8}$ " Wood Rod fitted with Fig. 2555 Coupling (like Fig. 1208) ....	150 lbs.	OBSED 35.35	OCDQY 39.30
$2\frac{1}{4}$ " Wood Rod fitted with Fig. 2555 Coupling (like Fig. 1208) ....	175 lbs.	OBSIV 72.80	OCDQU 81.00
$3\frac{1}{2}$ " Wood Rod fitted with Fig. 2555 Coupling (like Fig. 1208) ....	425 lbs.	OBSTY 156.00	OCDTO 173.50

For Rod fitted with Black Couplings with Copper Rivets, add 4% to the above price. \*Furnished with Black Rivets.

## Octagon Wood Rod (Plain) Without Couplings, 8 to $13\frac{1}{2}$ Foot Lengths

Size Rod in Inches .....	$1\frac{1}{8}$ in. OBSUW	$1\frac{5}{8}$ in. OBSVU	$1\frac{7}{8}$ in. OBSYO	$2\frac{1}{4}$ in. OBTAK	$3\frac{1}{2}$ in. OBTEC
Hardwood Rod without Couplings					
Price, per foot.....	\$ .07 $\frac{1}{2}$	\$ .13 $\frac{1}{2}$	\$ .17	\$ .40	\$ .85
Generally used in Pipe Size .....	2" or $2\frac{1}{2}$ "	$2\frac{1}{2}$ " or 3"	3" or $3\frac{1}{2}$ "	4" to 5"	7" to 10"

Rods are furnished in random lengths. Special lengths to order.

It has been our practice to furnish Ash rods. However, we reserve the right to substitute other woods in case of shortage of Ash, unless Ash is specially agreed upon.





# RECTANGULAR WOOD ROD AND COUPLINGS

For Double or Single Acting Working Barrels

Fig. 2762 (State Size Drop Pipe).



Size Working Barrel Inches	Size Drop Pipe Inches	Size Wood Rod Furnished	Box & Pin Coupling	CODE	*Black Couplings Fig. 2762 Per Set Each	CODE	*Galv. Couplings Fig. 2762 Per Set Each	CODE	Wood Rod Including Fig. 2762 Black Couplings and Rivets For all Joints. Riveted Per 100 Ft.	CODE	Wood Rod Including Fig. 2762 Galv. Couplings and Copper Rivets For all Joints. Riveted Per 100 Ft.
1 13/16	2	1 5/8 x 1 3/16	5/8"	OCDUM	\$1.70	OCFIJ	\$2.25	OCAZE	\$18.50	OCFYC	\$21.80
2 1/4	2 1/2	2 x 1 3/16	5/8"	OCDWJ	1.70	OCFNY	2.25	OCBAP	20.50	OCGAY	23.80
2 3/4	3	2 1/2 x 1 1/16	7/8"	OCDYE	2.90	OCFOW	3.90	OCBER	35.00	OCGCU	41.00
3 1/4	3 1/2	2 3/4 x 1 1/16	7/8"	OCEAA	2.90	OCFPU	3.90	OCBIS	39.50	OCGER	45.50
3 3/4	4	3 1/2 x 1 3/8	1 1/8"	OCEBY	4.50	OCFSO	6.50	OCBOT	62.50	OCGFO	74.50
4 3/4	5	4 1/2 x 1 3/8	1 1/8"	OCECW	4.50	OCFUK	6.50	OCBUV	75.00	OCGII	87.00
5 3/4	6	5 x 1 3/4	1 1/8"	OCEDU	6.50	OCFVI	9.00	OCCAR	91.00	OCGKE	106.00

State if Black or Galvanized Couplings are Wanted

\*Rivets not included—Black, Per Pound . . . . \$ .20—Copper, Per Pound . . . . \$ .75

## THREADS ON COUPLINGS FOR OCTAGON AND RECTANGULAR WOOD SUCKER ROD

Size of Octagon Rod—Inches	Size of Rectangular Rod—Inches	Size of Pin Inches	Box and Pin Threads to Inch
1" or 1 1/8"		3/8" Pipe or 5/8" Pin	
1 1/8"	1 5/8" x 1 3/16"	5/8" Pin	12
	2" x 1 3/16"	5/8" Pin	12
1 5/8"	2 1/2" x 1 1/16"	7/8" Pin	10
	2 3/4" x 1 1/16"	7/8" Pin	10
1 7/8"		1" Pin	10
2 1/4"	3 1/2" x 1 3/8"	1 1/8" Pin	8
	4 1/2" x 1 3/8"	1 1/8" Pin	8
	5" x 1 3/4"	1 1/8" Pin	8
3 1/2"		1 1/2" Pin	8

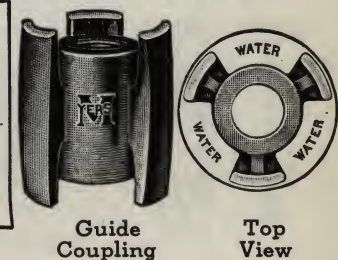
## GUIDE COUPLINGS

For Double Acting Working Barrels

Fig. 2704 Guide Coupling for use with pipe pump rod is 1/4 inch less diameter than the pipe in which it is used, allowing it to travel freely yet prevent buckling of rod on down stroke. Use of five to ten feet of pipe connected to plunger cage and one Guide Coupling is recommended on all Double Acting Working Barrel installations, to guard against side wear on plunger which might result from rod or pipe being out of line higher up in well. These Guide Couplings should never be located at joint in drop pipe where they might catch.

Fig. 2704

Drop or Well Pipe, Inches	Pipe Pump Rod, Inches	Wt. Each	Fig. 2704 Guide Rod Couplings, Each Price	Drop or Well Pipe, Inches	Pipe Pump Rod, Inches	Wt. Each Lbs.	Fig. 2704 Guide Rod Couplings, Each Price
2	1/2	10 oz.	\$ 1.00	4	1 1/4	4	\$ 1.75
2 1/2	3/4	1 lb.	1.10	5	1 1/2	5	2.50
3	3/4	1 1/4 lb.	1.25	6	2	6 3/4	3.50
3 1/2	1	2 lb.	1.50				



Guide Coupling

Top View





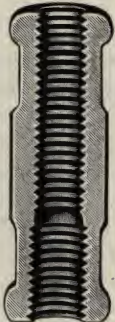
## MALLEABLE AND STEEL ROD COUPLINGS

Fig. 2907



Steel

Fig. 2908



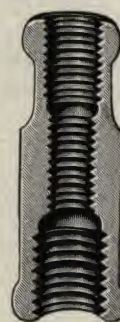
Malleable

Fig. 2909



Malleable

Fig. 2910



Malleable

Fig. 2949



Malleable

Fig. 2932



Malleable

ALWAYS SPECIFY SIZE OF ALL TAPPINGS WANTED

### FIG. 2907, STEEL REDUCER COUPLINGS

$\frac{1}{16}$ x $\frac{3}{8}$ Rod x $\frac{5}{8}$ Pin Male.	6 to lb.
$\frac{1}{16}$ x $\frac{3}{8}$ x $\frac{1}{16}$ Rod x $\frac{3}{8}$ Pipe Male.	6 to lb.
$\frac{1}{2}$ x $\frac{3}{8}$ Rod x $\frac{5}{8}$ Pin Male.	6 to lb.
$\frac{1}{2}$ x $\frac{3}{8}$ x $\frac{1}{16}$ Rod x $\frac{3}{8}$ Pipe Male.	6 to lb.
$\frac{5}{8}$ x $\frac{3}{8}$ Rod x $\frac{5}{8}$ Pin Male.	6 to lb.
$\frac{5}{8}$ x $\frac{3}{8}$ x $\frac{1}{16}$ Rod x $\frac{3}{8}$ Pipe Male.	6 to lb.
$\frac{3}{8}$ Pipe x $\frac{3}{8}$ Rod x $\frac{5}{8}$ Pin Male.	6 to lb.
$\frac{3}{8}$ Pipe x $\frac{3}{8}$ x $\frac{1}{16}$ Rod x $\frac{3}{8}$ Pipe Male.	6 to lb.

Price, per Pound ..... OCEMC      Plain      Galv.  
\$ .60      \$ .70

### FIG. 2908, MALL. REDUCER COUPLINGS

$\frac{1}{16}$  x  $\frac{3}{8}$  x  $\frac{3}{8}$  Rod.      6 to lb.

Price, per Pound ..... OCEPY      Plain      Galv.  
\$ .50      \$ .65

### FIG. 2909, MALL. REDUCER COUPLINGS

$\frac{1}{16}$ x $\frac{3}{8}$ x $\frac{1}{16}$ Rod.	6 to lb.
$\frac{1}{2}$ x $\frac{3}{8}$ x $\frac{1}{16}$ Rod.	7 to lb.
$\frac{1}{4}$ Pipe x $\frac{3}{8}$ x $\frac{1}{16}$ Rod.	7 to lb.

Price, per Pound ..... OCENZ      Plain      Galv.  
\$ .50      \$ .65

### FIG. 2910, MALL. REDUCER COUPLINGS

$\frac{5}{8}$ x $\frac{3}{8}$ x $\frac{1}{16}$ Rod.	6 to lb.
$\frac{3}{8}$ Pipe x $\frac{3}{8}$ x $\frac{1}{16}$ Rod.	6 to lb.

Price, per Pound ..... OCEOX      Plain      Galv.  
\$ .50      \$ .65

### FIG. 2949, MALL. REDUCER COUPLINGS

$\frac{5}{8}$ Rod x $\frac{1}{2}$ Rod.	5 to lb.
$\frac{3}{4}$ Rod x $\frac{5}{8}$ Rod.	3 to lb.
$\frac{5}{8}$ Rod x $\frac{3}{8}$ Pipe Female.	4 to lb.
$\frac{1}{2}$ Rod x $\frac{3}{8}$ Pipe Female.	5 to lb.

Price, per Pound ..... OBNUB      Plain      Galv.  
\$ .50      \$ .65

### FIG. 2932, MALL. ROD COUPLINGS (Regular)

$\frac{3}{8}$ " x $\frac{3}{8}$ ".	9 to lb.
$\frac{1}{16}$ " x $\frac{1}{16}$ ".	7 to lb.
$\frac{1}{2}$ " x $\frac{1}{2}$ ".	5 to lb.
$\frac{5}{8}$ " x $\frac{5}{8}$ ".	4 to lb.
$\frac{3}{4}$ " x $\frac{3}{4}$ ".	3 to lb.

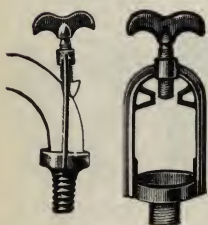
Price, per Pound ..... OBNON      Plain      Galv.  
\$ .40      \$ .50

Above Weights on Couplings are approximate. See Next Page for Special Steel Couplings.

$\frac{3}{8}$  inch and  $\frac{7}{16}$  inch Couplings have 14 threads;  $\frac{1}{2}$  inch, 12 threads;  
 $\frac{5}{8}$  inch, 11 threads; and  $\frac{3}{4}$  inch, 10 threads to the inch. All V threads.

## HOSE CONNECTIONS FOR MYERS PUMPS

Fig. 2604



### PRICE LIST, Fig. 2604 OBNJY

No. 512, Hose Connection threaded for $\frac{3}{4}$ " Hose Coupling for all Myers Force Pumps except specified below	Price \$ .50
No. 512A, Same as above except as for 1" Hose	.50
No. 512B, Hose Connection for House Force Pump with Cock Spout threaded for $\frac{3}{4}$ " Hose Coupling	.50
No. 1404, Hose Connection for $\frac{3}{4}$ " Hose used with No. 2100 Spout.	.60

### PRICE LIST, Fig. 2362 OBNLU

Fig. 2362, Hose Connection for House Force Pump, Plain Spout	\$ .25
--	--------

Fig. 2362







## SPECIAL STEEL COUPLINGS

Fig. 3181



Figs. 2902, 3181 and 3182

For connecting wood sucker rod (Octagon or Rectangular), solid steel rod or pipe to plunger in cylinders or to piston rod on pump.

$\frac{5}{8}$ " Pin Male or $\frac{5}{8}$ " Box Female	X	$\left\{ \begin{array}{l} \frac{3}{8}" , \frac{7}{16}" , \frac{1}{2}" \text{ or } \frac{5}{8}" \text{ Rod Female} \\ \frac{3}{8}" \text{ or } \frac{1}{2}" \text{ Pipe (Male or Female)} \end{array} \right\}$	OCEQT \$ .80
---	---	--	--------------

$\frac{7}{8}$ " Pin Male or $\frac{7}{8}$ " Box Female	X	$\left\{ \begin{array}{l} \frac{1}{2}" , \frac{5}{8}" \text{ or } \frac{3}{4}" \text{ Rod Female} \\ \frac{5}{8}" , \frac{7}{8}" \text{ Pin Male or Box Female} \\ \frac{3}{8}" , \frac{1}{2}" , \frac{3}{4}" \text{ or } 1" \text{ Pipe (Male or Female)} \end{array} \right\}$	OCERR 1.50
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Fig. 3182



1" Pin Male or 1" Box Female	X	$\left\{ \begin{array}{l} \frac{5}{8}" \text{ or } \frac{3}{4}" \text{ Rod} \\ \frac{7}{8}" \text{ or } 1" \text{ Pin Male or Box Female} \\ \frac{3}{4}" , 1" \text{ or } 1\frac{1}{4}" \text{ Pipe (Male or Female)} \end{array} \right\}$	OCESP 2.40
---------------------------------	---	--	------------

$1\frac{1}{8}$ " Pin Male or $1\frac{1}{8}$ " Box Female	X	$\left\{ \begin{array}{l} \frac{5}{8}" \text{ or } \frac{3}{4}" \text{ Rod} \\ \frac{7}{8}" , 1" , \text{ or } 1\frac{1}{8}" \text{ Pin Male or Box Female} \\ \frac{3}{4}" , 1" , 1\frac{1}{4}" \text{ Pipe (Male or Female)} \end{array} \right\}$	OCETN 2.40
---	---	--	------------

$1\frac{1}{2}$ " Pin Male or $1\frac{1}{2}$ " Box Female	X	$\left\{ \begin{array}{l} \frac{5}{8}" \text{ or } \frac{3}{4}" \text{ Rod Female} \\ \frac{7}{8}" , 1" \text{ or } 1\frac{1}{8}" \text{ Pin Male or Box Female} \\ \frac{1}{2}" , \frac{3}{4}" , 1" \text{ or } 1\frac{1}{4}" \text{ Pipe (Male or Female)} \end{array} \right\}$	OCEUL 2.40
---	---	--	------------

Couplings can be selected from the above table with box and pin thread (either female or male), also pipe thread (either male or female), and rod thread **female only**.

### EXTENSION COUPLINGS FOR WOOD ROD, Fig. 2903

Furnished as standard couplings on lower end of piston rods on all Myers Deep Well Working Heads, with plunger tubes.

6" Working Head—Repair M 887— $\frac{1}{2}$ " Rod Female by  $\frac{5}{8}$ " Pin Male, 1 lb.  $7\frac{1}{4}$ " Long OCEVJ  
 9" Working Head—Repair M 885— $\frac{5}{8}$ " Box Female by  $\frac{7}{8}$ " Pin Male,  $2\frac{1}{2}$  lb. 10 " Long OCEWH  
 12" Working Head—Repair M 886— $\frac{7}{8}$ " Box Female by  $\frac{7}{8}$ " Pin Male,  $3\frac{3}{4}$  lb. 11 " Long OCEXF  
 12" Working Head—Repair M1351— $\frac{7}{8}$ " Box Female by  $\frac{7}{8}$ " Pin Male, 4 lb.  $12\frac{1}{2}$ " Long OCHWE

See Repair Catalog for Price

Fig. 2902



Fig. 2903



## PIPE HOLDER

Fig. 3007

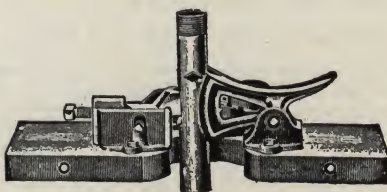
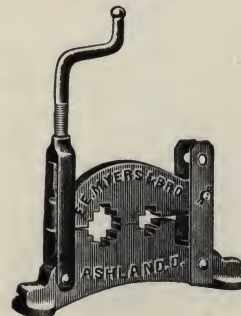


Fig. 3007 Diamond Pipe Holder Complete for  
1" to 2" Pipe, Wt. 28 Lbs. OCFXE \$4.00

## THE MYERS PIPE VISE

Fig. 246

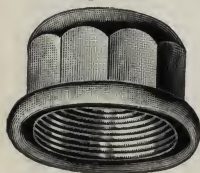


The Myers Pipe Vise, Fig. 246, is adapted  
for all sizes from  $\frac{3}{8}$  rod to 2 inch pipe.  
Wt. 11 Lbs. Price, each....OBLAS \$3.00





Fig. 751



## DRIVE CAPS

DRIVE CAPS—ILLUSTRATED BY FIG. 751 OBONO

Size, inches.....	1 1/4	1 1/2	2
Malleable, Price each.....	\$ .50	\$ .60	\$1.00

Fig. 2275



## MYERS SANITARY BASE

Fig. 2275 illustrates the Myers Sanitary Base as used on Single Acting Force or Lift Pumps, fitted with 1 1/2 inch pipe. The Base is designed to fit over the top of the Well Casing (Two sizes—4 1/4 inch and 6 inch O. D.) to prevent dirt or other foreign material from entering well.

MYERS SANITARY BASE—ILLUSTRATED BY FIG. 2275

	Price
4 1/4", with Set Screws. Weight 7 1/2 lbs.....	OBEPU \$2.25
6", with Set Screws. Weight 11 lbs.....	OBESO 2.75

## MYERS SEALTITE SANITARY BASE

For Pump Platform or Pit

Fig. 3063

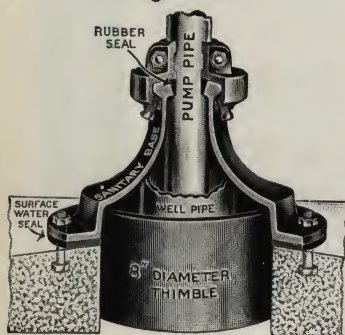


Fig. 3063 illustrates the Myers Sealtite Sanitary Base. The Rubber Seal around a 1 1/2" diameter pump pipe prevents all filth from entering from above the pump base, and the Seal (Rubber or thick tarred paper not included) underneath the base prevents any Surface Water or filth from entering between the pump base and the concrete platform or curb.

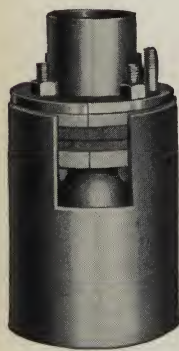
The base will accommodate any size well casing up to and including 8" pipe permitting this well casing to extend 1 1/2" or more above the cement, depending on the diameter of the well.

When used in a Well Pit a Thimble, as illustrated, is recommended in the platform.

MYERS SEALTITE SANITARY BASE—ILLUSTRATED BY FIG. 3063

	Price
Myers Sealtite Sanitary Base for 1 1/2" Pump Pipe. Weight 14 Lbs... OCHIH	\$3.50
If replacing regular base on pump with 1 1/2" pipe add to list of pump....	1.50

Fig. 3081



## SANITARY WELL CAPS

MAKES A TIGHT SEAL BETWEEN CASING AND DROP PIPE.

Cap is Made in Two Halves for Quick and Easy Installation, Either Before or After Pump is Connected.

SANITARY WELL CAPS—ILLUSTRATED BY FIG. 3081 OCHOU

Well Size Inches	Drop Pipe Size Inches	Price Each
3	3/4", 1" or 1 1/4"	\$2.75
4	3/4", 1", 1 1/4", 1 1/2" or 2"	3.45
4 1/4	3/4", 1", 1 1/4", 1 1/2" or 2"	4.25
4 1/2	3/4", 1", 1 1/4", 1 1/2", 2" or 2 1/2"	4.25
5	3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2" or 3"	5.30
5 5/8	3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2" or 3"	7.00
6	3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", or 3 1/2"	8.00
6 1/4	3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", or 3 1/2"	8.50





Fig. 1644



## CHECK AND FOOT VALVES

Fig. 422

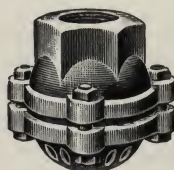


Fig. 418

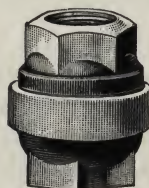
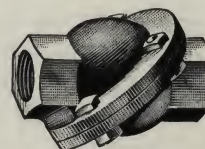


Fig. 421



CHECK AND FOOT VALVES—ILLUSTRATED BY FIGS. 1644, 422, 418 and 421.

Size, Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Fig. 418, Black Vert. Plain Seat.. OBLKY		\$1.00	\$1.15	\$1.50	\$2.30	\$3.40	\$4.80		
Fig. 418, Galv. Vert. Plain Seat.. OBL0P		1.35	1.60	2.10	3.30	5.00	7.20		
Fig. 418, Black Vert. Brass Seat.. OBLUD		1.25	1.40	1.80	2.65	3.80	5.60		
Fig. 418, Galv. Vert. Brass Seat.. OBMAR		1.60	1.85	2.40	3.65	5.40	8.00		
Fig. 421, Black Horiz. Brass Seat OBM EJ	\$1.60	2.10	2.35	2.75	3.95	6.60	9.25		
Fig. 421, Galv. Horiz. Brass Seat OBMIB	2.35	2.70	3.35	3.85	5.15	8.40	12.00		
Fig. 422, Black Vert. Plain Seat.. OBMRI	1.00	1.10	1.10	1.50	2.25	3.25	4.00	\$5.00	\$ 6.00
Fig. 422, Galv. Vert. Plain Seat.. OBMTE	1.25	1.35	1.35	2.00	2.75	4.25	6.00	7.20	9.00
Fig. 422, Black Vert. Brass Seat.. OBMUC	1.15	1.25	1.25	1.70	2.50	3.50	4.50	6.00	7.20
Fig. 422, Galv. Vert. Brass Seat.. OBMVA	1.40	1.50	1.50	2.20	3.00	4.50	6.50	8.20	10.20
Fig. 1644, Black Vert. Glass or Perfection Seat..... OBNBO			2.00	3.00	4.00				

## SPECIAL CHECK VALVES

Fig. 2292

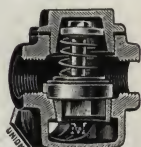


Fig. 2292 illustrates Myers Two-Way Horizontal Check Valve, with Outlet taken from either or both sides. Fig. 2747 shows Myers Line Check Valve. Both are fitted with Screwed Brass Seat and Rubber Valve with Spring on Brass Post.

Fig. 2747

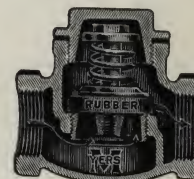


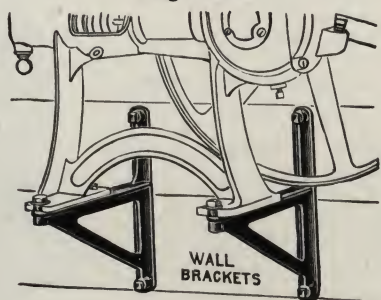
FIG. 2292—TWO WAY HORIZONTAL CHECK VALVES

Inlet	Outlet	Weight	Code	Price
$1\frac{1}{4}$ "	1 "	4 $\frac{1}{4}$ lbs.	OBCUM	\$3.00
2 "	$1\frac{1}{2}$ "	9 $\frac{1}{4}$ lbs.	OBDES	4.50

FIG. 2747—LINE CHECK VALVES—OBVOF

Tapped For Pipe Size Inches	Weight	Price
$1\frac{1}{4}$	3 $\frac{3}{4}$ lbs.	\$ 2.70
$1\frac{1}{2}$	8 $\frac{1}{4}$ lbs.	3.50
2	17 lbs.	5.00
$2\frac{1}{2}$	23 $\frac{1}{2}$ lbs.	8.00
3	28 $\frac{1}{2}$ lbs.	12.00

Fig. 2348



## Wall Brackets

For Mounting Pump on the Wall.  
Price, per set of Two..KECIF \$1.25  
(Lag and Cap Screws not included.)





## MYERS VERTICAL FOOT VALVES

Polished Brass with Rubber Valve, Enclosed in Carton

Fig. 3180 illustrates the Myers Heavy All Brass Vertical Foot Valve with strainer. Fitted with Flat Brass Valve Seat, Brass Poppet Valve with Special Vulcanized Rubber Facing encased in Metal to prevent it from squashing out of shape, (Live Rubber expels Sand and forms a perfect seat), and Phosphor-Bronze Spring for quick closing. Has removable perforated Brass Strainer. Two-piece body. Recommended for use with any type of pump.

Fig. 3180

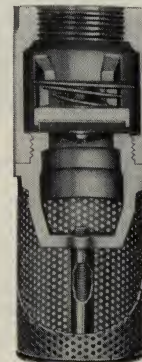


Fig. 3180—Myers Vertical Foot Valve with Brass Strainer

Pipe Size Inches	Can be used in Diameter of Pipe	Weight Pounds	Code	Price
1 "	2 " Pipe	1½ lbs.	OCIBU	\$ 2.00
1¼"	2½" Pipe	2½ lbs.	OCICS	2.50
1½"	3 " Pipe	3¾ lbs.	OCIDQ	4.00
2 "	4 " Pipe	7½ lbs.	OCIEO	6.00
*2 "	4 " Pipe	7½ lbs.	OCIFM	6.00
2½"	5 " Pipe	13¼ lbs.	OCIGK	14.00
3 "	6 " Pipe	17½ lbs.	OCIH1	20.00

\*Offset for Twin Type Ejecto Deep Well Pump

Fig. 2833 illustrates the Myers All Brass Vertical Foot Valve with Bevel Valve Seat and Bevel Rubber Valve with Spring for quick closing, equipped with removable perforated Brass Strainer. The Strainer is easily removed for repairs. One-piece body. Recommended for use with reciprocating pumps.

Fig. 2833

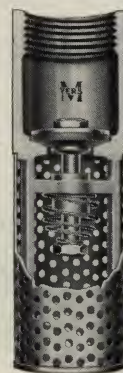


Fig. 2833—Myers Vertical Foot Valve with Brass Strainer

Pipe Size Inches	Can be used in Diameter of Pipe	Weight Pounds	Code	Price
¾"	1¼" Pipe	½ lb.	OCCBE	\$1.25
1 "	2 " Pipe	1¼ lbs.	OCCDO	1.50
1¼"	2½" Pipe	1½ lbs.	OCCES	2.00
1½"	3 " Pipe	3½ lbs.	OCEKG	3.75
2 "	3½" Pipe	5 lbs.	OCEJI	5.00

## MYERS VERTICAL CHECK VALVE

Fig. 3201 illustrates the Myers Heavy All Brass Vertical Check Valve. Fitted with Flat Brass Valve Seat, Brass Poppet Valve with Special Vulcanized Rubber Facing encased in Metal to prevent it from squashing out of shape, (Live Rubber expels Sand and forms perfect seat). Has Phosphor-Bronze Spring for quick closing.

Fig. 3201

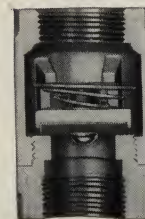


Fig. 3201—Myers Vertical Check Valve

Pipe Size Inches	Can be used in Diameter of Pipe	Weight Pounds	Code	Price
1 "	2 " Pipe	1½ lbs.	OCIIG	\$1.75
1¼"	2½" Pipe	2½ lbs.	OCIJE	2.25
1½"	3 " Pipe	4 lbs.	OCIKC	3.50
2 "	4 " Pipe	8 lbs.	OCILA	5.00





Fig. 3029



## RELIEF VALVES

Figs. 3029 and 3036 illustrate the Relief Valves as used on all Myers Automatic, Medium Size Water Systems.

For Larger Power Pumps use Fig. 3030.

Fig. 3036

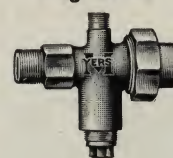
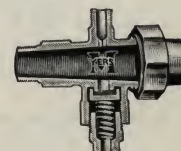


Fig. 3030



RELIEF VALVES—ILLUSTRATED BY FIGS. 3029, 3030 AND 3036					
Fig. No.	Pipe Size Inches	G.P.M. Maximum	Weight	CODE	Price
3029	1/4"	4	10 oz.	OCHRO	\$1.75
3029	1/2"	10	12 oz.	OCGOV	1.75
3029	3/4"	20	1 lb. 4 oz.	OCGUJ	2.25
*3036	3/4"	20	1 lb. 9 oz.	OCHEP	3.25
3030	1"	30	1 lb. 12 oz.	OCGYB	3.50
3030	1 1/4"	65	2 lb. 12 oz.	OCHAX	5.00

\*Fig. 3036, 3/4 inch. With 3/4 inch Union, threaded above for Electric Switch.



## FRESH WATER VALVE

Fig. 2112 illustrates the Myers Fresh Water Tap or Valve. Can be connected in discharge line from Pump to the Tank by removing the nipples and shifting the Tee in the regular equipment on the Nos. 1906AT and 1909AT.

Fig. 2112



FRESH WATER VALVE—ILLUSTRATED BY FIG. 2112

3/4", Weight 1 3/4 Lbs.	KEBUEH	\$2.00
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Fig. 3001



BRASS HOSE COUPLINGS—ILLUSTRATED BY FIG. 3001 POCON

Size, inches	1/2	3/4	1	1 1/4	1 1/2	2
Complete, Price, each	\$ .35	\$ .45	\$ .75	\$1.50	\$1.75	\$2.50
Half Coupling, Female, Price, each	.20	.25	.45	.85	.90	1.35

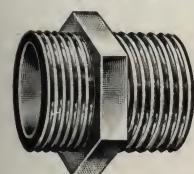
Fig. 3002



GALVANIZED STEEL HOSE CLAMPS—ILLUSTRATED BY FIG. 3002 POCUB

Size, inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Weight	2 oz.	2 oz.	3 oz.	4 oz.	5 oz.	6 oz.	7 oz.
Price, each	\$ .05	\$ .05	\$ .05	\$ .06	\$ .08	\$ .10	\$ .12
Price, per doz.	.50	.50	.50	.60	.85	1.00	1.25

Fig. 3003



BRASS HOSE NIPPLES—ILLUSTRATED BY FIG. 3003 PODAP

Size, inches	3/4	1	1 1/4	1 1/2	2
Weight	4 oz.	10 oz.	16 oz.	1 lb. 6 oz.	
Price, each	\$ .40	\$ .60	\$ .80	\$1.20	\$2.00
Extra length tapped for 1/4" pipe, Price, each	.50	.80			





# FORGED STEEL DRIVE WELL POINTS, GALVANIZED

One Piece—No Malleable Plug or Rivets

Fig. 3131



## FORGED STEEL DRIVE WELL POINTS, GALVANIZED—ILLUSTRATED BY FIG. 3131 OBIEN

1 Inch Points—Galvanized					1½ Inch Points—Galvanized				
Trade No.	Length, Feet	Jacket, Inches	Wt. Lbs.	No. 60 Gauze	Trade No.	Length, Feet	Jacket, Inches	Wt. Lbs.	No. 60 Gauze
74	2	18	4½	\$2.20	136	2	18	8	\$3.20
76	2½	24	5	2.80	140	2½	24	9	4.00
78	3	30	6½	3.40	144	3	30	10	4.80
1¼ Inch Points—Galvanized					2 Inch Points—Galvanized				
86	1½	14	5¾	\$1.55	160	2	18	10½	\$5.00
90	2	18	6¼	1.85	164	2½	24	12¼	6.00
94	2½	24	7½	2.35	168	3	30	13	7.00
98	3	30	9½	2.90					

## TANK AND FLOAT VALVES

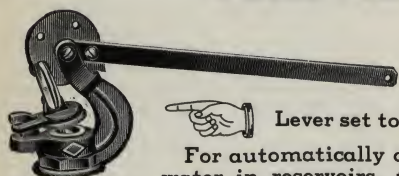


Fig. 1330

Lever set to close with Float.

For automatically controlling the flow of water in reservoirs, tanks, cisterns, stock watering tanks, etc. Is positive in opening and closing under high or low pressure.

### PRICE LIST, Fig. 1330

	Price
Galvanized Float Valve, ¾ in. ea. 2¼ lbs. OBKEL	\$1.10
Galvanized Float Valve, 1 in. ea. 2¼ lbs. OBKID	1.35
Galvanized Float Valve, 1¼ in. ea. 2¾ lbs. OBKPO	1.60
Galvanized Float Valve, 1½ in. ea. OCEYD	3.25
Galvanized Float Valve, 2 in. ea. OCEZB	5.35

## FLOATS

Fig. 750

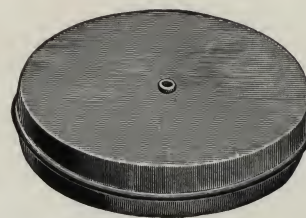
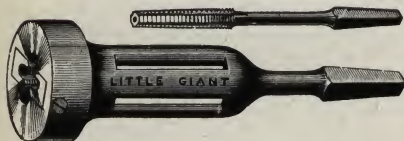


Fig. 750, Float, Galvanized, 12 inches diameter. Wt. 2 lbs. Price, each. OBKSI	\$1.80
Fig. 750, Float, Copper, 12 inches diameter. Wt. 3 lbs. Price, each. OBKWA	3.50

Fig. 347 OBPDI



## LITTLE GIANT TAP AND DIE

	¾x14	7/16x14	½x12
Fig. 347, Die and Holder. Weight 12 oz. Price	\$4.00	\$4.00	\$4.50
Fig. 347, Die only. Price	2.15	2.15	3.00
Fig. 347, Tap only. Price	.65	2.00	1.00

All Articles on this Page at Market Price.





Fig. 756

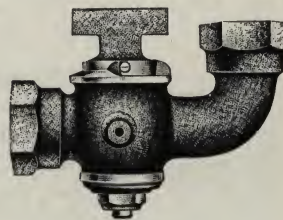


## HYDRANT COCKS

Size Pipe, Inches.....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Fig. 755 for iron pipe. Price, each.....	\$1.50	\$2.70	\$4.00	\$6.25
Complete as shown by Fig. 756.....	....	5.90	8.00	10.00

Fig. 756 is complete with  $5\frac{1}{2}$  feet of pipe, goose-neck and wrench.

Fig. 755, T Handle



## TOTAL ECLIPSE HYDRANT

PATENTED

Compression, Anti-Freezing

Cast iron stock, painted. Valve and all working parts made of brass. Positive waste. No water in top working parts. Can be repaired without digging up.

TOTAL ECLIPSE HYDRANT—ILLUSTRATED BY FIG. 569				OBRAM
To Set in Ground		Opening $\frac{3}{4}$ Inch		Price
$1\frac{1}{2}$ feet.....	Weight $20\frac{1}{4}$ Lbs.....			\$7.00
2 feet.....	Weight 21 Lbs.....			7.25
3 feet.....	Weight 25 Lbs.....			7.75
4 feet.....	Weight 27 Lbs.....			8.00
5 feet.....	Weight 30 Lbs.....			8.50

Fig. 569



## Steel Pump Rod (Galvanized and Polished)

Made of Stiff Steel and drawn to  $1/1000$  part of an inch, in 20 foot lengths.

		Price
Steel Rod Galv. $\frac{3}{8}$ , $\frac{7}{16}$ and $\frac{1}{2}$ in. in 100 lb. lots or over.....	Per lb.	\$.08
Steel Rod Galv. $\frac{3}{8}$ , $\frac{7}{16}$ and $\frac{1}{2}$ in. in less quantity.....	Per lb.	.08 $\frac{1}{2}$
Steel Rod Galv. $\frac{5}{8}$ and $\frac{3}{4}$ in. any quantity.....	Per lb.	.09
Steel Rod Galv. $\frac{3}{8}$ in. Fitted, Includes Threads and One Coupling.....	OBGEP Per Ft.	.05
Steel Rod Galv. $\frac{7}{16}$ in. Fitted, Includes Threads and One Coupling.....	OBGIH Per Ft.	.06
Steel Rod Galv. $\frac{1}{2}$ in. Fitted, Includes Threads and One Coupling.....	OBGRO Per Ft.	.08 $\frac{1}{4}$
Steel Rod Galv. $\frac{5}{8}$ in. Fitted, Includes Threads and One Coupling.....	OBGYA Per Ft.	.13 $\frac{1}{2}$
Steel Rod Galv. $\frac{3}{4}$ in. Fitted, Includes Threads and One Coupling.....	OBHAW Per Ft.	.21 $\frac{1}{2}$

For Short Lengths (Less than 20 feet) when fitted, an Extra charge will be made  
Steel Rod Not Subject to Jobbers Discount

All Articles on this Page at Market Price





## STRAINERS

Fig. 759



Figs. 759 and 3241 Strainers are made large enough to slip over the pipe, and are held in place by a set screw or bolt. Fig. 3242 Strainers are attached to pipe with standard pipe coupling.

Fig. 3241



Fig. 3242



STRAINERS—ILLUSTRATED BY FIGS. 759 AND 3241

Size, Inches.....	1	1¼	1½	2	2½	3
Fig. 759, Plain. Price, each...OBLEK		\$ .35	\$ .35	\$ .60		\$1.30
Fig. 3241, Galvanized, (Perforated Brass Covered). Price, each..OCHYA	\$ .70	.80	.90	1.25	\$1.75	2.50

STRAINERS—ILLUSTRATED BY FIG. 3242

Size, inches.....	1¼	1½	2	2½
Fig. 3242, Galvanized. (Without Covering) Price, each.....OCHZY	\$ .55	\$ .60	\$ .90	\$3.00
Fig. 3242, Galvanized. (Perforated Brass Covered) Price, ea..OCIAW	.80	.90	1.25	3.50

Fig. 1734



Fig. 1734, Mud Strainer for Tank Pump, 2" Hose (Enlarged End)

Wt. 2½ lbs.....OBBUN

Price  
\$ .70

## BRASS CUT-OFF COCKS

Fig. 2682

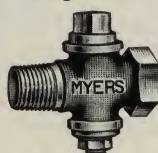


Fig. 2682, Cut-Off used on small Water Systems —¾" Pipe thread male and female.

14 oz.....OBVIS

1" Pipe Thread Male and Female.

Wt. 1 Lb.....OCHUI

Price  
\$2.00

Fig. 2683



Fig. 2683, Cut Off used on Larger Complete Water Systems—1¼". Wt. 2¼ Lbs. .OBVKO

3.25

Fig. 2999 Fig. 3026



## PRESSURE AND VACUUM GAUGES

Fig. 2999 illustrates the Myers Pressure Gauge built especially for Myers Water Systems.

Fig. 2999, 100 lb., 2 inch diameter. (Water Systems) Weight 10 oz. ....PEGUN

Fig. 3026, Vacuum Gauge. Wt. 9 oz. ....POJAJ

Price  
\$1.25  
1.50

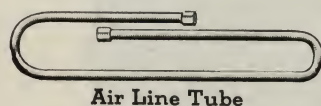
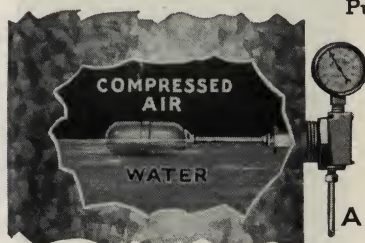




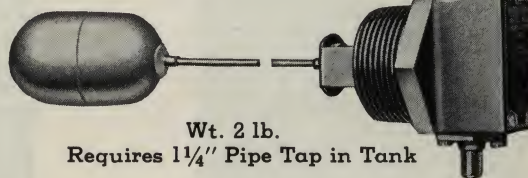
# AUTOMATIC AIR VOLUME CONTROL VALVES FOR PRESSURE TANK SYSTEMS

## For Shallow Well Complete Water Systems

Pump Supplies Air Through Tube (A) Only When Needed.



Air Line Tube



Wt. 2 lb.

Requires 1 1/4" Pipe Tap in Tank

Fig. 2705

## PRICE LIST (Pressure Gauge Not Included)

No. 1, Fig. 2705, Automatic Air Volume Control including Air Tube. Specify Length of Air Tube Wanted... **KENFA** **\$3.00**

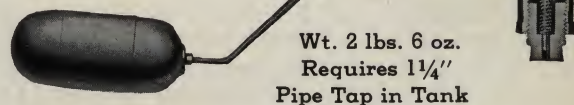


## For Deep Well Complete Water Systems

Pump Supplies Air Continuously with the Water,  
Surplus Air is discharged through Valve (A).

## PRICE LIST

No. 2, Fig. 2706, Automatic Air Volume Control  
(Pressure Gauge not included.)..... **KENLO** **\$3.00**

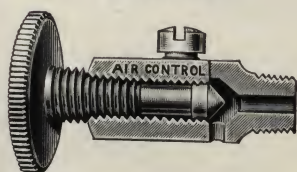


Wt. 2 lbs. 6 oz.

Requires 1 1/4" Pipe Tap in Tank

Fig. 2706

Fig. 2707



## PRICE LIST

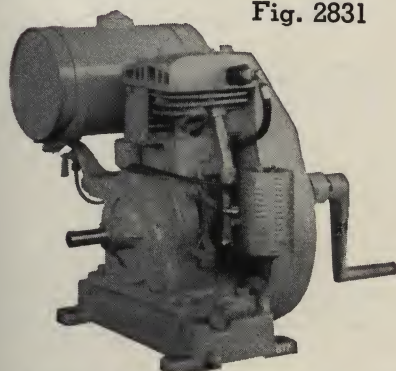
No. 3, Fig. 2707, Manual Air Control. Wt. 2 oz..... **KENOH** **\$1.00**  
No. 4, Fig. 2238, Manual Air Control. Wt. 4 oz..... **OBEVI** **2.00**  
For Deep Well Heads except Complete }  
Deep Well Automatic Water Systems. } For Shallow Well Bull-  
Schrader Special Air Valve (not illustrated) ..... **KEZMA** **\$ .25** } dozer Power Pumps }

Fig. 2238



# GASOLINE ENGINES FOR SMALL WATER SYSTEMS

Fig. 2831



High Class Dependable Fullpower Air Cooled Engine with Hot Spark High Tension Magneto built in—always ready to go, easy starting. Fly Wheels are fully enclosed, no moving parts exposed. While the Engine must be started by hand it can be arranged to stop automatically by the use of a Circuit Breaker.

GASOLINE ENGINES FOR SMALL WATER SYSTEMS—ILLUSTRATED  
BY FIG. 2831

Power	Cycle	Weight	Code	Price
1/2 HP	4	37 lbs.	KIROH	\$ 46.00
3/4 HP	4	43 lbs.	KIRUV	50.00
1 HP	4	87 lbs.	KEYIJ	73.00
2 HP	4	94 lbs.	KEYOW	98.00
3 HP	4	130 lbs.	KEYPU	120.00
4 HP	4	130 lbs.	KIGUG	129.00





## ELECTRIC CONTROL SWITCHES

Fig. 3258

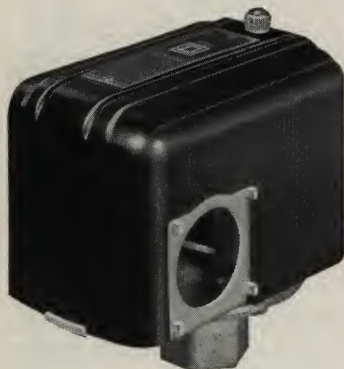


Fig. 3080



Fig. 2564



Figs. 3258, 3080 and 2564 illustrate the latest improved Double Pole Automatic Pressure Switches, suitable for accurate control of all sizes of motors up

to and including the maximum horsepower specified below for different voltages.

- FUNCTION ..... Closes and opens motor circuit with change of pressure on switch diaphragm.
- CONTACTS ..... Two pole, self-seating double break silver butt type.
- RANGE LIMITS ..... Fig. 3258—5 lbs. Cut-In to 60 lbs. Cut-Out, in a variety of settings, with variations of from 15 to 30 pounds between Cut-In and Cut-Out points.
- Fig. 3080—5 lbs. Cut-In to 80 lbs. Cut-Out, in a variety of settings, with variations of from 10 to 40 pounds between Cut-In and Cut-Out points.
- Fig. 2564—5 lbs. Cut-In to 150 lbs. Cut-Out, in a variety of settings, with variations of from 15 to 25 lbs. between Cut-In and Cut-Out points.

### PRICE LIST of Electric Control Switches

Fig. 3258—For Maximum Pressures up to 60 lbs. on H. P. ratings as below.....	KITUT	Price \$5.00
Fig. 3080—For Maximum Pressures up to 80 lbs. on H.P. ratings as below.....	KINKU	5.50
Fig. 2564—For Maximum Pressures up to 150 lbs. on H. P. ratings as below. Wt. 5 lbs.....	KECAV	7.50
Special Fig. 2564—For High Pressure (Maximum 250 lbs.) ADD to above price .....	KEYSO	1.00
ELECTRIC FLOAT SWITCH, complete with float and rod for open tank service. (Same Rating as Fig. 2564) ..	KECEN	16.00
CIRCUIT BREAKER to stop engine automatically .....	KAMTU	5.25

### Maximum H. P. Ratings

Fig.	Alternating Current					Direct Current		
	Single Phase		Polyphase					
	110	220	220	440	550	115	230	32
3258	½	1				¼	¼	¼
3080	1	1				½	½	⅓
2564	1½	3	5	5	5	2	2	¾

Suitable Starting Device Must Be Used For Automatic Control of Larger Motors. When the above ratings are exceeded the control must only be used as a pilot device in connection with

an automatic starter.

Prices on Automatic Starters (Across The Line Type) for larger Motors on application.





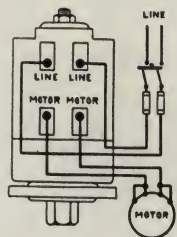
# WIRING DIAGRAMS

Be Sure That the Voltage and Frequency of the Line Are the Same as That Stamped on the Name Plate of Motor

Figure 2564, Wire Connections

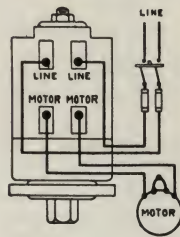
Single Phase  
110 V

SINGLE PHASE - 110 VOLT CONNECTIONS  
WIRING DIAGRAM



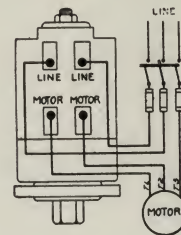
Single Phase  
220 V

SINGLE PHASE - 220 VOLT CONNECTIONS  
WIRING DIAGRAM



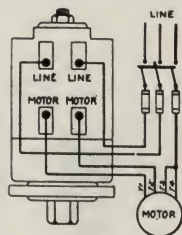
Three Phase

THREE PHASE  
WIRING DIAGRAM



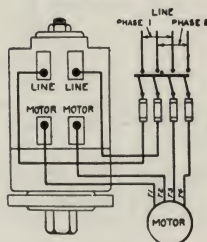
Two Phase  
Three Wire

TWO PHASE - 3 WIRE  
WIRING DIAGRAM



Two Phase  
Four Wire

TWO PHASE - 4 WIRE  
WIRING DIAGRAM



Direct Current

DIRECT CURRENT  
WIRING DIAGRAM

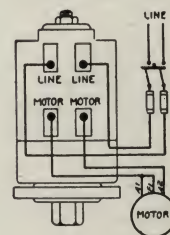
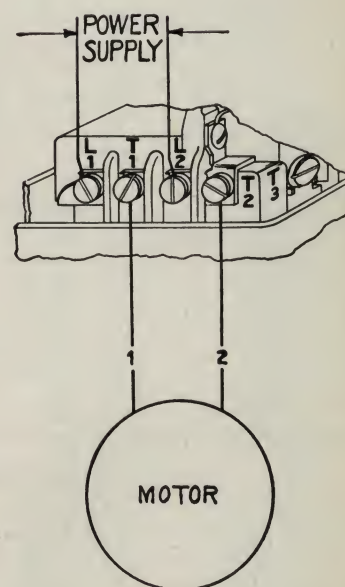
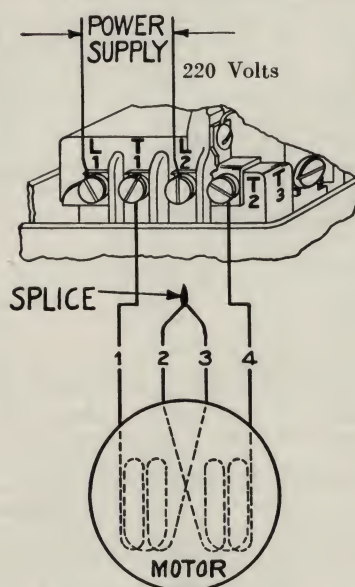
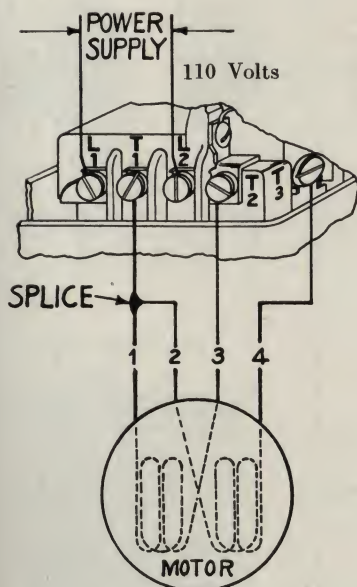


Figure 3079, Wire Connections



For 110/220 V. Type Single Phase A. C. Motors.

For Single Voltage Single Phase A. C.  
Motors or D. C. Motors





# (REPAIRS) V-BELTS AND SILENT CHAINS

V-BELT DRIVES—1750 R.P.M. MOTORS

FOR SELF-OILING SHALLOW WELL PUMPS				
Number or Size of Pump	HP Motors	No. of Belts Required	Belts Each Price	Motor Pulleys Each Price
906A-909A, 1906A-1909A 925AM-926AM, 1925AM- 1926AM, 927AM-928AM, 1927AM-1928AM	$\frac{1}{8}$ & $\frac{1}{4}$	1	\$ .85	\$1.00
901A-902A 929AM	$\frac{1}{2}$ & $\frac{3}{4}$	2	.85	1.80
$\frac{13}{4}'' \times 3''$ $2\frac{1}{2}'' \times 3''$	$\frac{1}{2}$ to $\frac{3}{4}$	1	1.40	2.00
$\frac{13}{4}'' \times 3''$ $2\frac{1}{2}'' \times 3''$ $2\frac{1}{4}'' \times 4''$ $3\frac{1}{4}'' \times 4''$	1 to 2	2	1.40	3.00
$3'' \times 5''$	2	3	2.00	6.00
$4'' \times 5''$	3	4	2.00	7.00
$5'' \times 5''$	5	6	2.00	9.50
$4'' \times 6''$	5	5	4.00	7.50
$6'' \times 6''$	$7\frac{1}{2}$	6	4.00	10.00
FOR SELF-OILING DEEP WELL PUMPS				
LENGTH STROKE				
6''	$\frac{1}{3}$ to $\frac{3}{4}$ 1	1 2	\$1.75 1.75	\$2.00 3.00
9''	1 to 2 3	2 3	2.25 2.25	4.00 6.00
12''	$1\frac{1}{2}$ & 2 3 5	2 3 4	4.50 4.50 4.50	5.00 7.00 9.00
No. 424 Jack	$\frac{1}{3}$ to $\frac{1}{2}$	1	1.25	1.25

When wider than regular Pump Pulley is required there will be an extra charge. See Pages 185 and 186, No. R40 Repair Catalog.

## SILENT CHAIN DRIVES—1750 R. P. M. MOTORS

FOR SELF-OILING SHALLOW WELL BULLDOZER PUMPS				
Size of Pump	HP Motors	Chain Price	Motor Sprocket Price	Pump Sprocket Price
$\frac{13}{4}'' \times 3''$ $2\frac{1}{2}'' \times 3''$	$\frac{1}{2}$ to 1	\$ 6.70	\$ 2.50	\$6.00
$2\frac{1}{4}'' \times 4''$ $3'' \times 4''$	1 $1\frac{1}{2}$ & 2	8.00 9.50	3.00 3.00	7.00 10.00
$3'' \times 5''$	2	12.50	3.25	18.00
$4'' \times 5''$	3	19.50	4.00	20.00
$5'' \times 5''$	5	29.70	4.75	25.00
$4'' \times 6''$	5	28.75	5.00	27.00
$6'' \times 6''$	$7\frac{1}{2}$	34.00	5.50	30.00
FOR SELF-OILING DEEP WELL PUMPS				
LENGTH STROKE				
6''	$\frac{1}{3}$ to 1	\$10.00	\$2.50	\$ 7.00
9''	1 $1\frac{1}{2}$ & 2 3	13.00 15.50 24.50	3.00 3.25 4.00	16.00 18.00 20.00
12''	$1\frac{1}{2}$ & 2 3 5	18.50 29.25 37.50	3.25 4.00 4.75	20.00 22.00 26.00

Give HP Rating of Motor.

## SILENT CHAIN USED ON POWER PUMPS

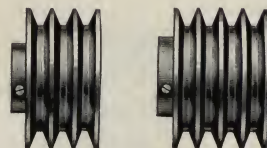
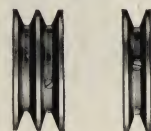
Width	Pitch	HP	CODE	Price per Ft.
$\frac{9}{16}''$	$\frac{3}{8}$	$\frac{1}{2}$ to 1	KAYUG	\$1.90
$\frac{3}{4}''$	$\frac{3}{8}$	$1\frac{1}{2}$ & 2	KAYVE	2.25
$1\frac{1}{4}''$	$\frac{3}{8}$	3	KAZDO	3.50
$1\frac{1}{2}''$	$\frac{1}{2}$	5	KAZEM	4.00
$1\frac{3}{4}''$	$\frac{3}{8}$	5	KAZKA	4.50
2''	$\frac{1}{2}$	$7\frac{1}{2}$	KENAK	4.75

Fig. 2755



V-Belt Manufacturers recommend these Belts for use on **flat faced** large diameter pulleys such as used on the pump. Grooved pulleys necessary only on the Motor on account of their small diameter.

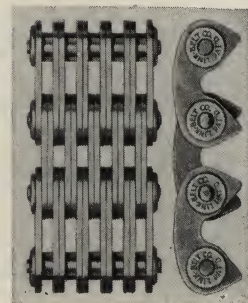
Fig. 2756



V-Pulleys Used on Motors

Specify Pump Number, Bore, Keyway and Number of Grooves.

Silent Chain







## REPAIR PARTS FOR MYERS ELECTRIC PUMPS

Fig. 2961



The illustration to the left shows how Repair Parts for Myers Electric Pumps are packed one set complete in a neat and substantial box for convenience in stocking and selling.

### Each Box Includes—

- |  |   |
|--|---|
| A—Set Piston Packing                                 | B—Plunger Cup Leathers                                      |
| C—Piston Wiper                                       | D—Valve Springs   |
| E—Valves   | F—Fiber Gaskets for Eccentric Shaft Bearings                |
| G—Leather Gaskets for Valve Caps, Air Chambers, etc. | H—Fiber Gaskets between the Cylinder and Stuffing Box Plate |
| I—Air Valve Core                                     |   |

Set Number	For Pump Series	CODE	Price
1	906	JXYJY	\$1.75
1½	1906	JXYLU	1.75
2	909	JXYON	1.75
2½	1909	JXYUB	1.75
3	901 and 902	JYAAP	2.20

COMPLETE SETS OF LEATHERS AND VALVE FACINGS FOR D. A. WORKING BARRELS PUT UP IN CARTONS.

See Page 36, No. R40 Repair Catalog.

## AIR CHAMBERS FOR SUCTION OR DISCHARGE PIPE

Fig. 749



Fig. 749 represents the Myers Air Chamber, for use in suction or discharge pipe, when drawing water from a distance horizontally, or when forcing water from a pump to an elevation. When used on suction pipe, it should be placed near the cylinder, in which case it acts as a vacuum chamber and assists in starting the water. When used in a discharge pipe it acts as an air chamber, giving a steady flow of water. In either case it relieves the pump of a great amount of strain.

Fig. 1329 represents an especially large air chamber, fitted with flanged tee, made regularly for 6 inch line or discharge pipe.

Fig. 1329

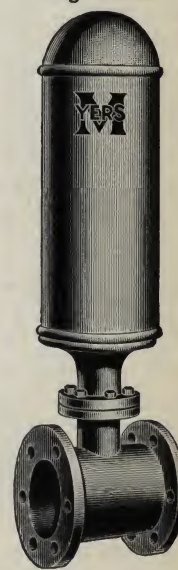
Fig. 1446



AIR CHAMBERS—ILLUSTRATED BY FIG. 749			
Pipe Size	Weight	CODE	Price
1 "	13 lbs.	OBAFT	\$ 3.50
1¼"	15 lbs.	OBAIN	5.50
1½"	15 lbs.	OBAPY	5.50
2 "	24 lbs.	OBBAC	6.50
2½"	29 lbs.	OBBIM	8.00

AIR CHAMBER—ILLUSTRATED BY FIG. 1329			
Description	Weight	CODE	Price
Air Chamber only. (Dome 9x27").	30 lbs.	OBCAB	\$27.00
Tee only, 6 in., by which air chamber is attached.	.....	OBCET	13.50

AIR CHAMBERS—ILLUSTRATED BY FIG. 1446				
Pipe Flange	Dome Size	Weight	CODE	Price
3"	6"x14"	50 lbs.	OBCIL	\$13.50
4"	7"x21"	121 lbs.	OBCOY	21.00

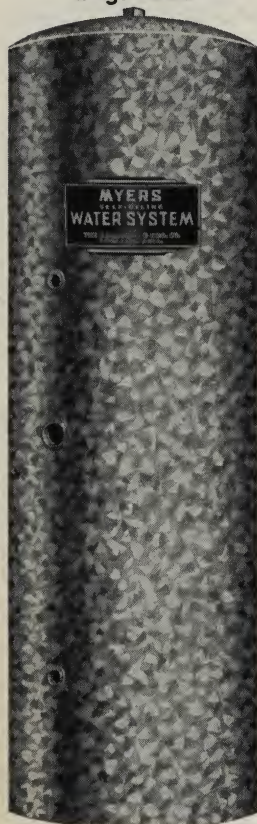






## MYERS ELECTRIC WELDED TANKS FURNISHED AS EXTRAS ONLY

Fig. 2933



These tanks are best quality Heavy Copper Bearing Steel, galvanized inside and outside by the hot dipping process—Corrosion and Rust Resisting.

The horizontal tanks are also furnished in black.

All Myers Tanks have strong electro-welded, leak-proof seams.

Recommended for working pressures up to 75 pounds. Tested to 150 pounds.

With the exception of the 12 gallon size the vertical tanks are tapped  $1\frac{1}{4}$  inch inlet and outlet.  $1\frac{1}{4}$  inch for air control and  $\frac{3}{8}$  inch for switch, tanks with special openings can be furnished at small extra cost.

All sizes of Vertical Tanks up to and including 315 gallon shipped from Factory Stock. Other sizes and special Tanks F. O. B. Conshohocken, Pa. or Chicago, Ill.

When Ordering give Catalog Number of Pump with which Tank is to be used.

Fig. 3252

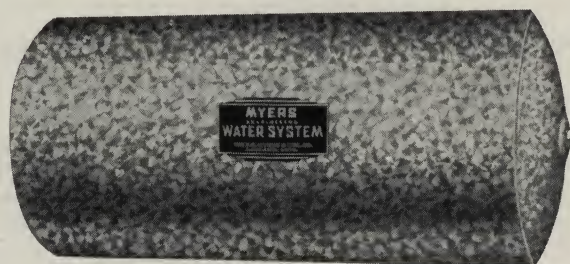
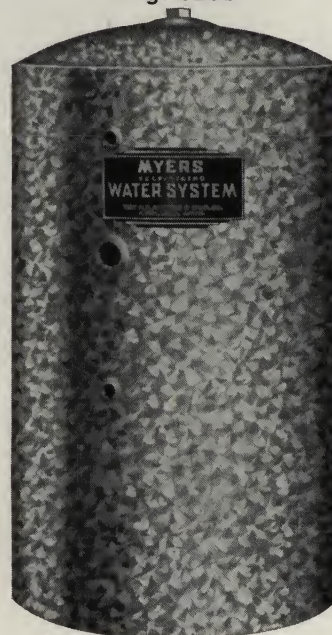


Fig. 3251



VERTICAL TANKS—ILLUSTRATED BY FIGURES 2933 &amp; 3251

Capacity Gals.	Dimensions		Tappings			Approx. Weight	Code	Galvanized Price	Code	Black Price
	Diam.	Height	Inlet	Outlet	Switch					
12	12"	24"	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	$\frac{3}{8}$ "	37 lbs.	KIFAW	\$7.75		
42	16"	48"	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	$\frac{3}{8}$ "	95 lbs.	KEYUK	15.00		
42	20"	32"	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	$\frac{3}{8}$ "	112 lbs.	KIHDO	16.00		
82	20"	60"	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	$\frac{3}{8}$ "	160 lbs.	KEYVI	29.00		
120	24"	60"	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	$\frac{3}{8}$ "	214 lbs.	KEZAY	36.50		
220	30"	72"	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	$\frac{3}{8}$ "	444 lbs.	KEZFO	73.00		
315	36"	72"	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	$\frac{3}{8}$ "	555 lbs.	KEKOK	96.00		

SPECIAL TANKS with additional openings, change in location or change in size will be charged at following extra lists:  $\frac{1}{2}$ " and under \$0.50,— $\frac{3}{4}$ " \$0.65,—1" \$1.00,— $1\frac{1}{4}$ " \$1.35,— $1\frac{1}{2}$ " \$1.80,—2" \$2.70,— $2\frac{1}{2}$ " \$3.60.

HORIZONTAL TANKS—ILLUSTRATED BY FIGURE 3252

Capacity Gals.	Dimensions		Approx. Weight	Galvanized		Black Price
	Diam.	Height		Code	Price	
525	36"	120"	788 lbs.	KIBL	\$127.50	\$ 79.00
720	42"	120"	1205 lbs.	KIBUL	203.00	118.00
1000	42"	168"	1595 lbs.	KICAZ	262.00	152.00
1500	48"	192"	2005 lbs.	KICER	341.00	193.00
2000	48"	258"	2650 lbs.	KICIJ	455.00	258.00
3000	60"	238"	5500 lbs.	KICOW	870.00	460.00

Above Weights are for Galvanized Tanks. Black Tanks will weigh about 10% less.



# MYERS

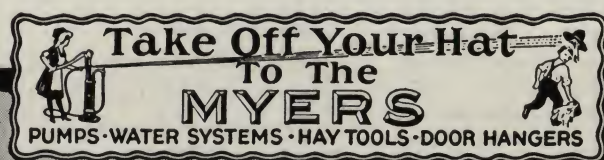
## MYERS COMPRESSED AIR SPRAYERS AND HAND SPRAY PUMPS

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FOR POWER SPRAYERS  
SEE PAGES 235 TO 320

---

SEE REPAIR CATALOG FOR REPAIRS



HAND  
SPRAY

POWER  
SPRAY

SPRAY  
ACCESS.

POWER  
WASHERS

HAY  
TOOLS

DOOR H.  
TORE L.

ENG.  
DATA

INDEX





# MYERS KWIKFILL COMPRESSED AIR SPRAYER

Fig. 2886



*Finished in French Gray Enamel  
with Colored Label*

Fig. 2892



Fig. 2891



Fig. 2885



## Screw Connected Hose and Discharge Tube—Quick Detachable

**Special Features:** The Concave Top forms an 8 inch Funnel—Just pour the Spray Mixture into the Tank from any size pail (See Fig. 2886). No time lost in filling—a time and money saver. The removable Discharge Tube and Hose Connection permit thorough drainage and cleaning of the Tank—adds many years of service.

The Myers KWIKFILL Compressed Air Sprayer is built in two sizes, 2½ and 4 gallons capacity (both over-size) meeting all demands for this style of sprayer.

The Tank is made of heavy galvanized iron or brass. The Side Wall is close riveted and soldered. The Top and Bottom are extra heavy galvanized material with flanged edge over which the side wall is turned and thoroughly soldered. Has 1¾" Brass Tube Air Pump. The Valve is simple and effective, can be instantly removed for repairs. The Air Pump is attached to the Tank by a heavy brass nut, the unscrewing of this brass nut by turning the handle permits the instant removal of the Pump for filling the Tank. The lower part of the D handle is fitted with two lugs, which engage with openings in the top of the brass nut. By means of the lugs on the handle the nut can be screwed tight to the top of the Tank, and at the same time lock the Plunger in position, which also permits of the Tank being carried by the Handle when desired. The Brass Discharge Tube is removable for cleaning

the tube or draining the Tank. The Hose is screw connected—detachable.

The 45 degree Nozzle and 18" Brass Extension are so constructed that the Nozzle can be attached to the end of the Brass Rod or direct to the connection at the end of the Hose, giving the advantage of 45 degree discharge either way.

Fig. 2885 shows Sectional View of the Tank and Concave Funnel Top, and Removable Discharge Tube and Drain.

Fig. 2886 illustrates the filling of the Tank. Just pour it in—KWIKFILL.

Fig. 2891 A sectional view of the Pump. The Cylinder is screwed fast to the Brass Cap.

Fig. 2892 The Pump Complete as it is removed from the Tank for filling.





# MYERS KWIKFILL COMPRESSED AIR SPRAYER

*Finished in French Gray Enamel with Colored Label*

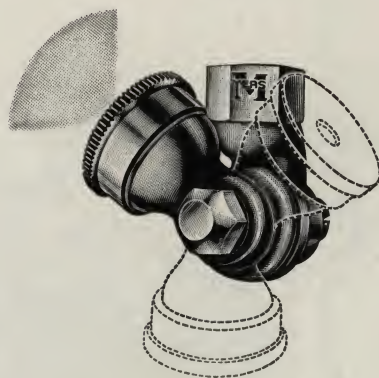
Fig. 2883



Fig. 2884



Fig. 3219



Adjustable Nozzle  
Extra Equipment

Fig. 2892



Figs. 2883 and 2884 illustrate the Myers KWIKFILL Compressed Air Sprayer, fully described on opposite page

## "Quality Is Remembered Long After Price Is Forgotten"

Recognizing that compressed air sprayers are subjected to severe use and frequently to considerable abuse, we have consistently maintained a high standard in the construction of all Myers Compressed Air Sprayers.

We know that the customer who purchases a cheap article soon becomes dissatisfied with it and quite often loses confidence in the manufacturer who

produced it as well as in the dealer who sold it.

This applies particularly to many of the cheap compressed air sprayers which cannot be classed with the MYERS for special features, durability and excellence of performance. **We make one grade only and that the best.** Compare the new Myers KWIKFILL Sprayers and Prices with other "best or quality" lines.

## PRICE LIST, Represented by Figs. 2883 and 2884

No. 2240,	Myers KWIKFILL 2½ Gallon Compressed Air Sprayer, Fig. 2883, with 18" Brass Extension Rod. Galvanized Tank. Wt. 10 Lbs. ....	PITPO	\$ 5.25
No. 2240B,	Same as No. 2240 with Brass Tank. Wt. 10 Lbs. ....	PITSI	9.50
No. 2242,	Myers KWIKFILL 4 Gallon Compressed Air Sprayer, Fig. 2884, with 18" Brass Extension Rod. Galvanized Tank. Wt. 13 Lbs. ....	PITWA	6.00
No. 2242B,	Same as No. 2242 with Brass Tank. Wt. 13 Lbs. ....	PIVAR	10.50
	If Fig. 3219 Adjustable Nozzle is wanted instead of regular add to price. ....		.55
	¾" Three-Ply Hose, Per foot, See Spray Accessories ....	PABIN	
Fig. 480,	Four Foot ¼" Iron Pipe Extension, with Faced Coupling, See Spray Accessories ..	PADWI	

REPAIRS: See Pages 192 to 196, No. R40 Repair Catalog





# THE MYERS KNAPSACK SPRAY PUMP

Galvanized or Brass Tank—All Brass Spray Pump—Cup Leather Plunger  
Large Brass Air Chamber—Brass Ball Valves—Patented Agitator

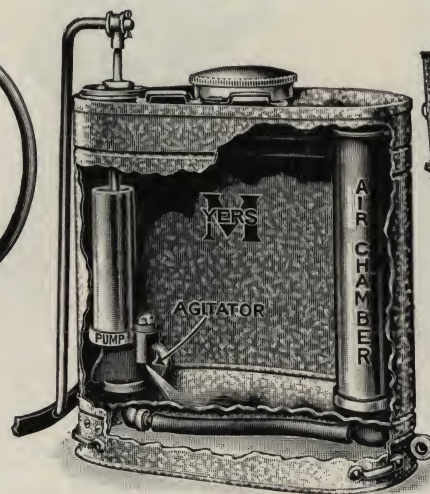
For distributing disinfectants, for the control of Mosquitoes and other Insects,  
for use in truck gardens and home orchards and for spraying shrubbery and flowers.

Fig. 2874

Fig. 3100



Fig. 3101



## Tank Is Formed to Fit Operator's Back

**FIG. 3100** illustrates the Myers New Idea Knapsack Sprayer, our latest design. It is equipped with a real, All Brass Pump, with **Jet Agitator** that keeps the liquid thoroughly mixed. The Cylinder is  $1\frac{1}{2} \times 3$ " stroke, with Brass Ball Valves, and Cup Leather Plunger (no Diaphragm). The Pump is fitted with large Brass Air Chamber, and is quickly detached from the Tank for inspection or repairs. Tank is Gal-

vanized or Brass, capacity 4 gallons, with a tight cover and removable Brass Gauze Strainer.

The Pump is of the Plunger Type, submerged in the liquid, no priming required, always ready. The Lever Handle being located at the **bottom of the Tank** gives the operator complete advantage—**Easy to operate**. Recommended as being the Best Knapsack Sprayer on the market.

## PRICE LIST, Represented by Fig. 3100

<b>No. 1330A, Myers New Idea Galvanized Tank Knapsack Spray Pump, fitted with <math>\frac{3}{8}</math>" Hose, Lever Shut-Off Cock, 18" Brass Pipe Extension with 45° Bend, and Fig. 642 Spray Nozzle. Wt. 15 Lbs. ....</b>		<b>PUWOZ</b>	<b>Price</b> <b>\$14.50</b>
<b>No. 1331A, Myers New Idea Brass Tank Knapsack Spray Pump, same as No. 1330A except with Brass Tank. Wt. 15 Lbs. ....</b>		<b>PUWUN</b>	<b>21.00</b>
If Fig. 3219 Adjustable Nozzle is wanted instead of regular, .....		<b>add</b>	<b>.65</b>
If any other kind of Nozzle is required, add the difference of the Nozzle list to the price.			
Can be furnished with Solid Stream Nozzle for fire protection, .....		<b>add</b>	<b>.55</b>

**REPAIRS:** See Pages 199-201, No. R40 Repair Catalog





## MYERS NEW IDEA FIRE PUMP

An Ideal Outfit for Fighting Brush, Grass, Forest and Home Fires Before They Have Gained Too Much Headway. Fitted with Special Nozzle for This Work

Fig. 2931



Fig. 2929

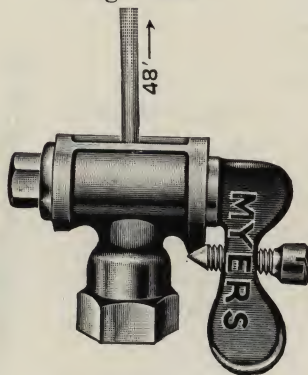


Fig. 2930

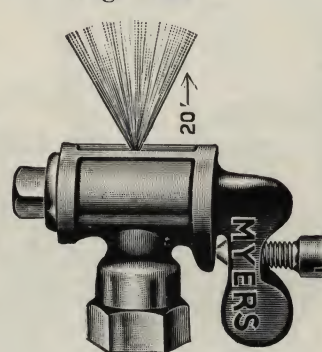


FIG. 2931 illustrates Myers New Idea Fire Fighting Pump with 4 Gallon Galvanized Tank, All Brass Pump, Ball Valves and Long Handle—easy to operate. Fitted with **ONE** Nozzle that discharges a solid stream 48 feet, (see Fig. 2929) or Coarse Spray 20 feet, (see Fig. 2930). This is accomplished by reversing the Lever on the Nozzle.

Statistics show that 40% of all fires can be quickly extinguished with little effort and small water damage if water under pressure is available. This Fire Pump when kept filled and ready for instant use offers excellent protection against fire loss. An ideal accessory for Community Fire Trucks. Uses clear water—no chemicals.

### PRICE LIST, Represented by Fig. 2931

No. 1336A, Myers New Idea Fire Pump with 4 Gallon Galvanized Tank, 3 Feet of Hose, Solid Stream and Coarse Spray Nozzle. Weight 15 Lbs. ....	PIYFE	\$14.00
Nozzle only.....	PIYKU	1.40

## THE MYERS HANDY FIRE PUMP

Fig. 2746



Capacity  $3\frac{1}{2}$  Gallons      Weighs 40 Lbs. When Filled  
Will throw a Solid Stream over 40 feet or coarse Spray 20 feet.

The Filler Opening is  $3\frac{1}{2}$ " in diameter with Strainer and Quick Action Lid. The Strainer can be removed to clean the Tank.  
Folding Hinged Foot Rest occupies the least possible space for transportation. Height 21" to top of Bale.

The Pump is the Myers Peerless Double Acting with  $13\frac{1}{2}$  inch stroke, securely bolted to top of Tank.

For general use in extinguishing forest and other fires before they have gained too much headway. Is particularly useful as an accessory for Combine Harvesters and Community Fire Trucks.

### PRICE LIST, Represented by Fig. 2746

No. 397, Myers Handy Fire Pump with $3\frac{1}{2}$ Gallon Galvanized Tank, 3 Feet of Hose, Solid Stream and Sprinkler Nozzle. Weight 10 Lbs. ....	PIJAD	\$10.00
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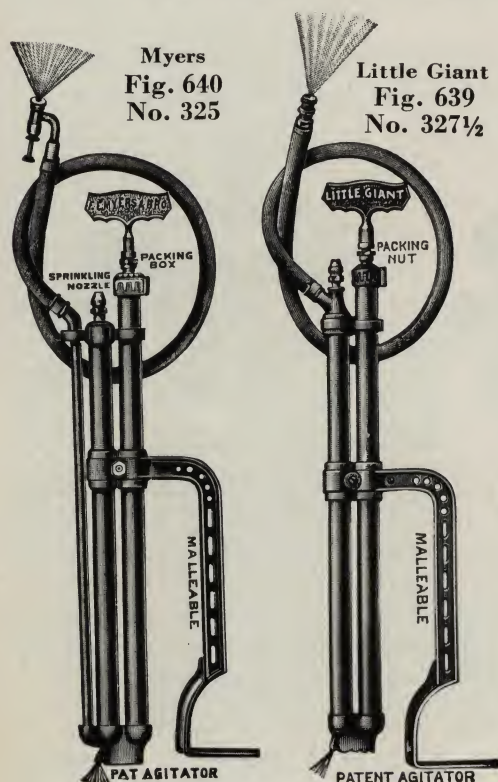
REPAIRS: See Pages 199 to 201, No. R40 Repair Catalog





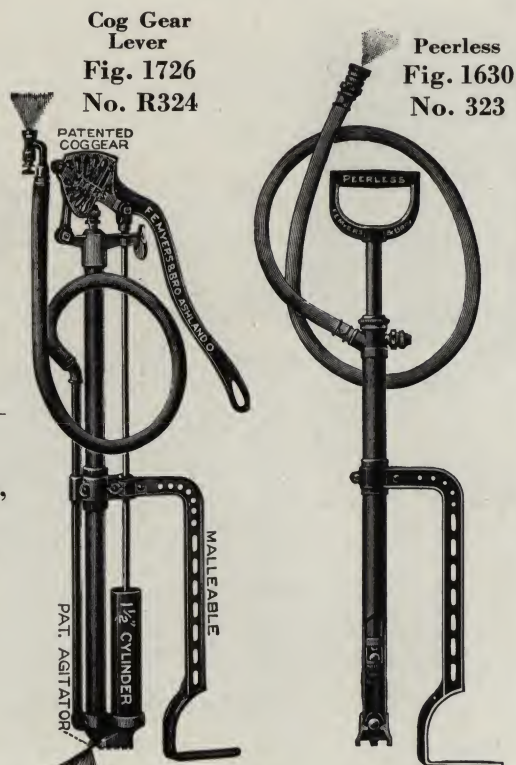
# MYERS BRASS BUCKET SPRAY PUMPS

DETACHABLE HOSE—BRASS BALL VALVES—PATENTED AGITATOR  
ALL WORKING PARTS BRASS  
PLUNGERS CAN BE WITHDRAWN THROUGH TOPS OF PUMPS



Myers Bucket  
Spray Pumps  
—All Styles—  
are put up in  
separate  
cartons for  
shipping.

When Spraying,  
Always Use a  
Pipe Extension  
—You Get  
Better  
Results



PIPE EXTENSION, Fig. 480.

Myers Bucket Spray Pumps Figs. 640 and 639 are constructed entirely of brass and are so designed that the labor of pumping is all done on the downward stroke of the plunger. Pump is easy to hold down while pumping. The foot rest assists in holding the pump in proper position.

We originated the Brass Spray Pump with cylinder and air chamber side by side, by which all the work is done on the down stroke, utilizing the weight of the operator.

Air chamber is extra large. Valves are brass ball type. Hose is detachable. The nozzle throws a continuous spray which does not pulsate with movement of the plunger. Will carry a pressure on the nozzle of from 50 to 100 lbs. with ordinary exertion. Will throw a solid stream 50 feet. Recommended for spraying trees,

washing windows and automobiles, extinguishing fires, sprinkling lawns, flowers, etc. For spraying, are arranged to discharge a fine jet in the bottom of the bucket to keep the solution thoroughly mixed and agitated, a feature found in Myers pumps only. All pumps are provided with extra sprinkler nozzle for flowers.

Fig. 1726 Myers Bucket Spray Pump is similar to Figs. 640 and 639 except has Myers Patented Cog Gear Handle. This pump has 1 1/2 inch diameter brass cylinder. Head and cog gear handle are malleable iron. The large cylinder in combination with the cog gear handle makes this an exceptionally easy working pump of more than ordinary capacity.

## PRICE LIST

		Price
No. 325,	Fig. 640, Myers Imperial Brass Spray Pump with jet agitator, complete with hose and graduating Vermorel fine, coarse spray and solid stream nozzle, and malleable foot rest. Wt. 7 Lbs. ....	PABAD \$ 5.00
No. 327 1/2,	Fig. 639, Little Giant Brass Spray Pump, with jet agitator, complete with hose and Imperial fine spray, sprinkling and solid stream nozzles with malleable foot rest. Wt. 6 1/2 Lbs. ....	PABOA 4.50
No. R324,	Fig. 1726, Myers Cog Gear Lever Bucket Spray Pump, with jet agitator, complete with detachable hose and graduating Vermorel fine, sprinkling and solid stream nozzle with malleable foot rest. Wt. 9 Lbs. ..	PABPY 6.50
No. 323,	Peerless Brass Spray Pump, Fig. 1630, complete with Imperial fine spray, sprinkling and solid stream nozzles with malleable foot rest. Wt. 4 1/2 Lbs. ....	PABRU 4.00
	Fig. 480, Pipe Extension (8 feet long), See Spray Accessories. ....	PABEV
	3/8 inch 3-ply hose for above pumps. Per foot, See Spray Accessories. ....	PABIN
	If solid stream is required on any of the above pumps, remove nozzle; the male end has small opening which will throw solid stream.	

REPAIRS: See Pages 190-191, No. R40 Repair Catalog

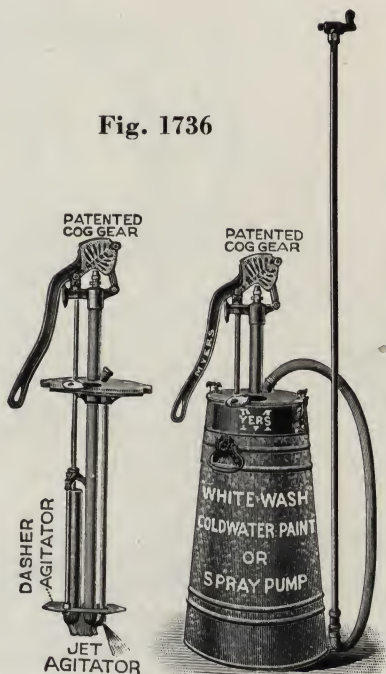




## MYERS GENERAL PURPOSE SPRAYER

Detachable Hose  
Brass Ball Valves

Fig. 1736



No. R329

The Pump Has 1½ Inch Cylinder.

Fig. 1736 represents the Myers General Purpose Sprayer, a most complete and serviceable outfit. The tank is made of heavy galvanized iron with a wide bottom. The cover is removable and is held securely in place by two thumb nuts, one on each side, which hold the cover tight and prevent spilling or splashing of the liquid. Holds 7 gallons.

The pump is our No. R324 Cog Gear Bucket Spray Pump, as shown under Fig. 1726, fitted with 4 foot Extension and Bordeaux Nozzle. Has both jet and dasher agitators. Cog Gear increases the leverage 33⅓%.

### PRICE LIST, Fig. 1736

No.	Description	Price
No. R329,	Myers General Purpose Sprayer, complete as illustrated in Fig. 1736. Wt. 28 Lbs.	
	..... PACBA	\$14.00

REPAIRS: See Pages 190-191, No. R40 Repair Catalog

## MYERS STEEL CART

For Wood Barrel

THREE INCH TIRES

Fig. 1520



Fig. 1520 represents our All Steel Barrel Cart, attached to wood barrel; has 36 inch steel wheels with three inch tires.

No tires to get loose, or wood to break or rot when standing out in the weather.

Any Myers Barrel  
Spray Pump can be  
used with it.

### PRICE LIST, Fig. 1520

	Price
Steel Cart Only .....	PAKLY \$17.00
Barrel (Wood) Extra .....	PAKOR 9.50
Pump and Hose No. R308B or R318B Extra.	





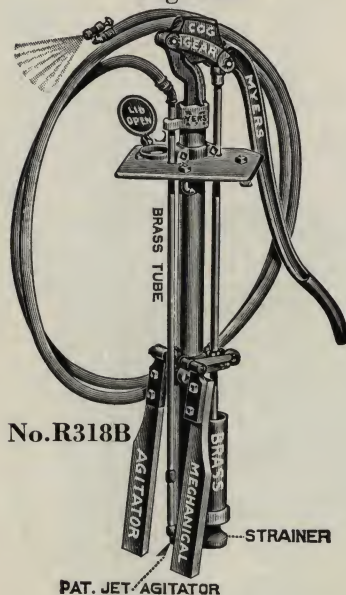
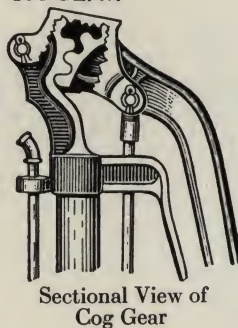
# THE MYERS BARREL SPRAY PUMPS

## Cog Gear or Plain Handle

Cylinder, Valves, Valve Seats and Discharge All Brass  
All Working Parts Submerged in Liquid

Have Both Jet and Mechanical Agitators  
2" Cylinder No Priming Necessary

Fig. 1521

PATENTED  
COG GEARSectional View of  
Cog GearSelf-  
Expanding  
Plunger

JET-AGITATOR

Fig 1493

PATENTED  
COG GEAR

No. R305B

The Myers Barrel Spray Pump is designed to meet the requirements where a good pump at a moderate price is desired. It is a thoroughly serviceable pump, well made, simple in construction and is recommended for the farmer with a few fruit trees, for truck gardeners and for spraying cotton, tobacco and similar crops.

### PRICE LIST, Represented by Fig. 1521

No. R318,	Myers Cog Gear Barrel Spray Pump only, with both <i>Jet and Mechanical Agitators</i> , but without hose or nozzle. Wt. 43 Lbs. ....	PAHEP	Price \$12.50
No. R318B,	Myers Cog Gear Barrel Spray Pump complete, Fig. 1521, with one lead of 15 feet of ½ inch 5-ply discharge hose, graduating Vermorel nozzle, with both <i>Jet and Mechanical Agitators</i> . Wt. 48 Lbs. ....	PAHIIH	17.00

### PRICE LIST, Figs. 1456 and 1493

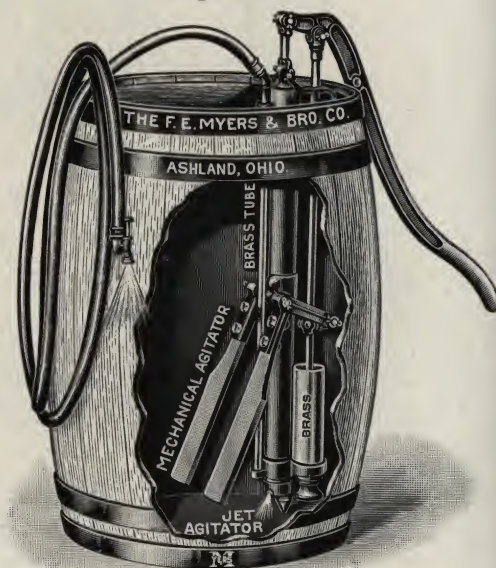
No. 304,	Myers Barrel Spray Pump, Plain Handle with both <i>Jet and Mechanical Agitators</i> , but without hose or nozzle. Wt. 37 Lbs. ....	PAGMA	Price \$11.50
No. R304,	Myers Barrel Spray Pump with Cog Gear Handle, with both <i>Jet and Mechanical Agitators</i> , but without hose or nozzle. Wt. 37 Lbs. ....	PAGOV	11.50
No. 305B,	Myers Barrel Spray Pump, Plain Handle, complete, Fig. 1456 (barrel not included), with one lead of 15 feet of ½ inch 5-ply discharge hose, graduating Vermorel nozzle and both <i>Jet and Mechanical Agitators</i> . Wt. 40 Lbs. ....	PAGUJ	16.00
No. R305B,	Myers Barrel Spray Pump, with Cog Gear Handle, with both <i>Jet and Mechanical Agitators</i> , Fig. 1493, complete with 15 feet of ½-inch 5-ply discharge hose and Myers Graduating Vermorel Nozzle. Wt. 40 Lbs. ....	PAHAX	Price \$16.00
	½" 5-Ply Hose. Per foot, See Spray Accessories. ....	PAFUK	

Bordeaux instead of Vermorel nozzle furnished without extra charge when specified.

Always Use Mechanical Agitator and Pipe Extension—You Get Better Results

REPAIRS: See Pages 196 to 197, No. R40 Repair Catalog

Fig. 1456



No. 305B, Barrel Extra



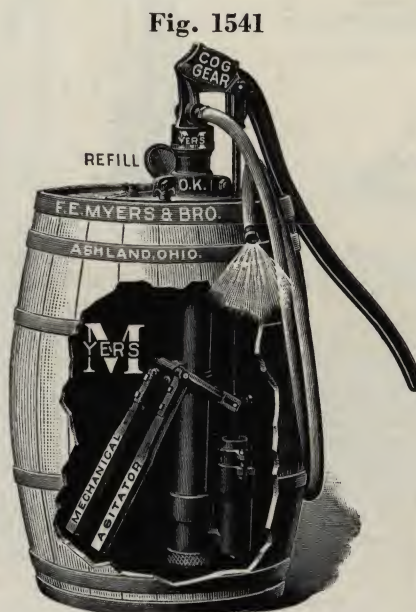
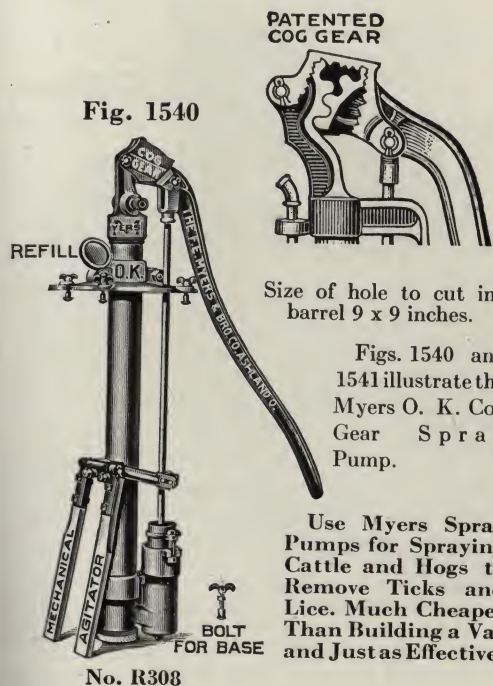


# THE MYERS O. K. COG GEAR SPRAY PUMP

*With Malleable Iron Base and Handle*

PATENTED

**For Hot, Cold or Any Kind of Mixture. Has Mechanical Agitator,  
Solid Brass Ram Plunger and Ball Valves  
2½ Inch Cylinder**



The cog gear increases the leverage 33⅓% over the ordinary plain handle. The special features are the cog gear and the malleable iron base which is adjustable and is made for end or side of barrel. Base for end of barrel is furnished regularly. If pump is wanted for side of barrel, state on order. The plunger is a seamless

brass tube with closed end, is outside packed with hemp packing. The packing gland is adjusted by two bolts. The valve and seat are hard brass. The large 2½" air chamber in connection with the cog gear enables the operator to maintain up to 200 pounds pressure and to supply two leads of hose satisfactorily.

## PRICE LIST, Represented by Figs 1540 and 1541

		Price
No. R308,	Myers O. K. Spray Pump, as shown in Fig. 1540. Wt. 73 Lbs. ....	PAHRO \$22.50
No. R308B,	Outfit same as above, with one lead of 15 ft. of 7-ply, ¾ in. discharge hose and one Fembro (Fig. 3212) nozzle. Wt. 75 Lbs. ....	PAHWE 27.00
No. R308C,	Same outfit with two leads of 15 ft. 7 ply, ¾ in. hose and two Fembro (Fig. 3212) nozzles. Wt. 78 Lbs. ...	PAHYA 31.50
Barrel not included in above prices.		

## PRICE LIST, Represented by Fig. 1570

No. R299B,	Outfit as above, complete with one lead of 15 feet of ¾ inch 7 ply discharge hose, 8 foot iron pipe extension with lever shut-off and Fembro Fig. 3212 Nozzle. Wt. 160 Lbs. ....	PAJAV 45.00
No. R299C,	Same with two leads of 15 feet each ¾ inch hose and nozzles. Wt. 165 Lbs. ....	PAJEN 51.50
	¾" 7 ply hose, Per foot, See Spray Accessories. ....	PAGCU
Price includes barrel and skids as illustrated.		

REPAIRS: See Pages 197 to 198, No. R40 Repair Catalog





# THE MYERS PORTABLE SPRAYERS

*With Cog Gear Spray Pump with Dasher and Jet Agitators*

PATENTED

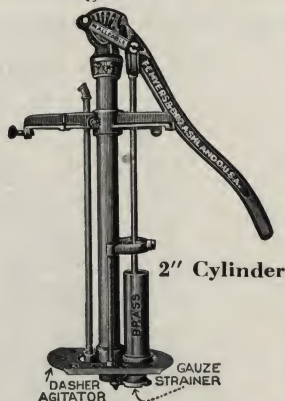
Suitable for Greenhouse Work, Spraying Trees, Whitewashing, Painting, Etc.  
A General Utility Pump

Fig. 2790



No. R336 1/2 B

Fig. 1843



2" Cylinder

Fig. 2791



No. R338 1/2 B

FIG. 2790 illustrates the Myers Portable Sprayer as made for general use as a handy outfit about the home, greenhouse or orchard.

The pump, as illustrated under Fig. 1843, is fitted with cog gear handle, dasher and jet agitators, is securely attached to the tank by means of a clamp connected direct to the channel iron that surrounds the top of the tank. The handle can be located at any point desired.

The tank is made of heavy galvanized iron thoroughly reinforced at top and bottom by steel bands. Hung in the frame on trunions. 12 1/2 gallons capacity.

The wheel and handles are made of wrought steel thoroughly braced. The wheel is 15 1/2 inches in diameter with 3 inch tire.

Fig. 2791, No. R338 1/2 B, is exactly the same as Fig. 2790 (except the Pump, Hose and Extension) and is fitted with No. R324 Pump. See Page 228.

## PRICE LIST, Represented by Figs. 2790 and 2791

No. R336 1/2 B, Myers Handy Portable Sprayer, Fig. 2790, complete as shown, with Dasher and Jet Agitators, 15 feet 1/2 inch 5-ply discharge hose, 8 foot extension and Vermorel Nozzle. Wheel 15 1/2 x 3 inch.	Price
Wt. 80 Lbs. Wt. Crated 100 Lbs. .... PINPU	\$26.50
1/2" 5 Ply Hose, Per foot, See Spray Accessories ..... PAFUK	
No. R338 1/2 B, Myers Handy Portable Sprayer, Fig. 2791, complete as shown in illustration, with No. R324 Pump, Dasher and Jet Agitators, 3 feet of discharge hose, 2 foot extension and Vermorel Nozzle. Wt. 48 Lbs. .. PINSO	18.00
3/8" 3 Ply Hose, Per foot, See Spray Accessories ..... PABIN	
If wanted with Brass Tank, add to Price .....	15.00
If wanted with Rubber Tired Wheel, like the No. 806 Series (See Page 304), add to the Price .....	10.00
Fig. 1843 Pump only with Agitators. Weight 30 Lbs. .... PONSU	12.00

Bordeaux nozzle furnished instead of Vermorel, if specified on order.

Fig. 2796



No. R339 1/2 B

An Air Pump is furnished with Fig. 2796 to replenish the air in the Air Chamber. Use the Air Pump to raise the pressure in Air Chamber to 20 pounds before starting the Spray Pump.

FIG. 2796 illustrates the Myers Portable Sprayer with 6 Gallon Air Chamber which assists in keeping up a steady spray with less effort by the operator. It will hold the pressure and continue to spray for several minutes. In every other particular it is the same as Fig. 2790.

Can Use Two Lines of Hose and Nozzles if Wanted.

## PRICE LIST, Represented by Fig. 2796

No. R339 1/2 B, Myers Handy Portable Sprayer, Fig. 2796, complete as shown with Air Chamber, Air Pump, Pressure Gauge, Dasher and Jet Agitators, 15 feet 1/2 inch 5 ply Discharge Hose, 8 foot Pipe Extension with Lever Cut-Off and Vermorel Nozzle. Wt. 113 pounds .....	PINUK	Price
If wanted with Brass Tank, add to Price .....		\$42.50
If wanted with Rubber Tired Wheel, add to Price .....		15.00
1/2" Five Ply Hose, per foot, See Spray Accessories ....	PAFUK	10.00

REPAIRS: See Pages 190-191, 197 and 202, No. R40 Repair Catalog





# THE MYERS COG GEAR SPRAY PUMP

Fig. 1518

*A Complete Outfit Mounted on Platform  
with Mechanical Agitator*

PATENTED

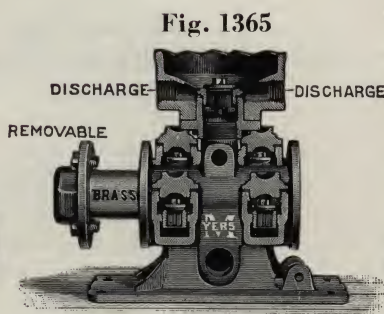
*An Ideal Sprayer for the Small  
Grower and Gardener*



No. R316B

**Special Features:** Cog Gear Movement increases the leverage, adapting it for spraying under heavy pressure. Mounted complete. Occupies smallest possible space. Capacity sufficient for 8 nozzles. An ideal outfit for spraying potatoes. Will set in an ordinary farm wagon box.

The pump has a valve located between the air chamber and pump, which retains the pressure of the air chamber on the nozzles and relieves the valves of the pump from all strain.



View Showing Removable Cylinder  
and Elevation of Valves in Fig. 1413



No. R309 Pump

**The Valves:** It has brass valves and ground bevel brass valve seats located under separate caps.

**The Plunger** has Thermo Cup Leather Packing which adapts it to handling any kind of material, no matter how caustic, and either hot or cold.

**The Cylinder** is a seamless drawn brass tube 2 inches in diameter, extending full length, removable by using an ordinary wrench.

## PRICE LIST, Represented by Fig. 1518

No. R316B, Pump complete, 50 gallon barrel mounted as shown, Fig. 1518, with pressure gauge, one 15 foot lead of $\frac{3}{8}$ inch 7-ply discharge hose, one Fembro Fig. 3212 nozzle, one 8 foot pipe extension with lever shut-off and mechanical agitator. Wt. 210 Lbs. ....	PAKDO	\$60.00
No. R316C, Same as R316B, with two leads of Hose, Nozzles and Pipe Extensions. Wt. 218 Lbs. ....	PAKEM	66.50

## PRICE LIST, Represented by Fig. 1413

No. R309, Myers Cog Gear Spray Pump, with pressure gauge and strainer. Wt. 85 Lbs. ....	PAJIF	\$34.50
No. R309A, As above, fitted complete with 6 feet of wire bound suction hose, two 8 foot pipe extensions, and two Fembro Fig. 3212 nozzles. Wt. 92 Lbs. ....	PAJNU	42.50
No. R309B, Pump complete with pressure gauge, 6 feet of suction hose, one 15 foot lead of $\frac{3}{8}$ inch 7-ply discharge hose, one Fembro Fig. 3212 nozzle, one 8 foot extension. Wt. 105 Lbs. ....	PAJOS	46.00
No. R309C, Pump complete with pressure gauge, 6 feet of suction hose, two 15 foot leads of $\frac{3}{8}$ inch 7-ply discharge hose, two Fembro Fig. 3212 nozzles, two 8 foot pipe extensions. Wt. 112 Lbs. ....	PAJTI	53.00
$\frac{3}{8}$ " 7-ply discharge hose. Per foot (See Spray Accessories) ....	PAGCU	
6 feet of wire bound suction hose complete ....	PAJUG	4.25
No. 309, The same as No. R309, except with Plain Handle (No Cog Gear) ....	POHUW	34.50

REPAIRS: See Page 203, No. R40 Repair Catalog



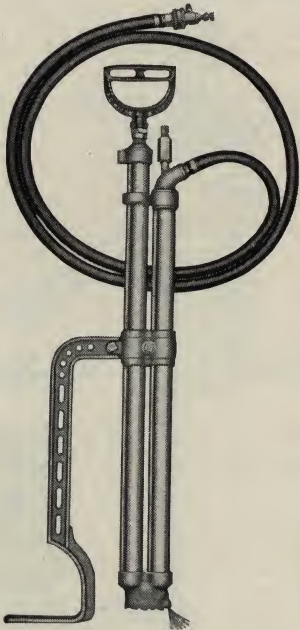


## MYERS BRASS FORCE PUMP

FOR FILLING TRACTOR TIRES WITH WATER OR NON-FREEZING CALCIUM CHLORIDE SOLUTION.

Specially Equipped with Six Feet Discharge Hose, Special Packing, Brass Piston Rod, and Fittings for Attaching to Tire Valve Stem.

Fig. 3043



THIS pump is constructed entirely of brass and is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The malleable foot rest steadies the pump, holding it in proper position.

It is provided with a large air chamber and has brass ball valves and detachable hose, and throws a continuous stream not affected by the movement of the plunger. Will carry a pressure of from 50 to 100 lbs. Has agitator which discharges a fine jet in the bottom of the bucket to keep the solution thoroughly mixed at all times.

### Price List

No. 50, Myers Brass Bucket Force Pump, as illustrated and described above, and specially equipped with Brass Piston rod, 6 Feet Discharge Hose, Special Packing, and fittings Figs. 3044, 3045 and 3046 as shown below.....POFAN \$6.00

Fig. 3045

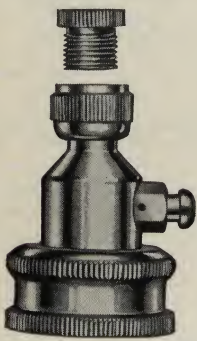


Fig. 3045, Water Adaptor with Air Bleeder and Bushing, for connecting to either new style two-piece or old style one-piece valve stem.

Price (3 Oz.) .....\$1.00

Fig. 3044



Fig. 3044, Bushing— $\frac{1}{4}$ " pipe female x  $\frac{3}{4}$ " hose thread male to attach pump hose to Fig. 3045 Water Adaptor.  
Price (1½ Oz.) ..PVAAZ \$ .25

Fig. 3046



Fig. 3046, Air Valve Fitting to permit forcing air into tire to hasten expelling of liquid. Price (3 Oz.) .....\$ .30



Filling Tire with Water or Solution

ALL OF ABOVE FITTINGS ARE INCLUDED WITH PUMP

REPAIRS: See Pages 190 to 191, No. R40 Repair Catalog



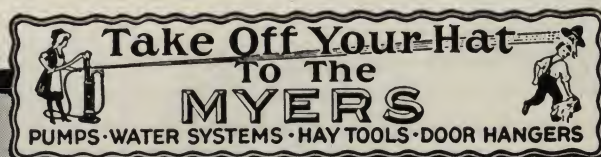
# MYERS

## MYERS SELF-OILING POWER SPRAYERS

FOR TREE, ROW CROP  
AND OTHER SPRAYING

---

SEE REPAIR CATALOG FOR REPAIRS



POWER  
SPRAY

SPRAY  
ACCESS.

POWER  
WASHERS

HAY  
TOOLS

DOOR H.  
TORE L.

ENG.  
DATA

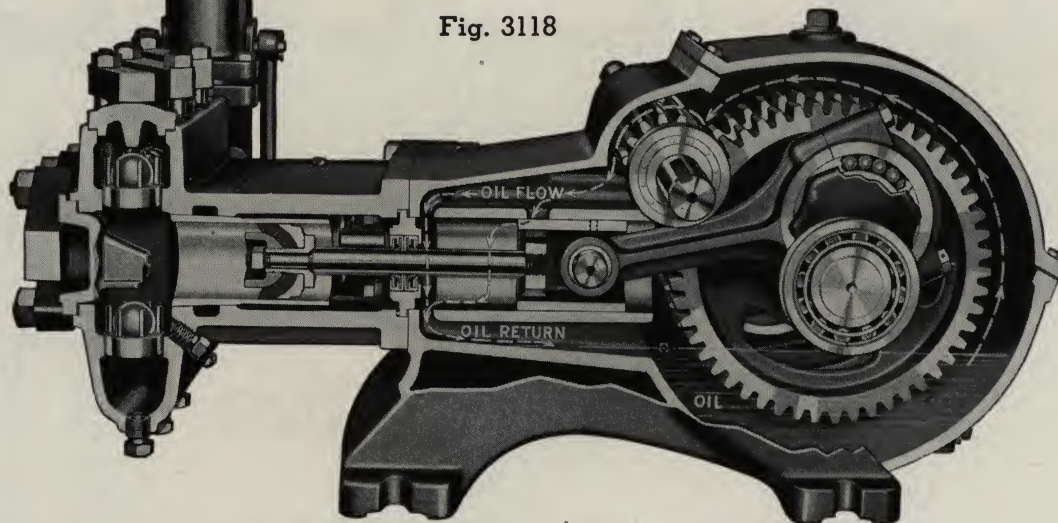
INDEXES





## MYERS BULLDOZER TRIPLEX POWER SPRAY PUMP

Fig. 3118



Note the complete and continuous circulation of the Oil (Follow the arrows)—No Dead Ends. Perfect and Continuous Lubrication.

**ROLLER BEARINGS** 600 to 800 Lbs. Pressure **DUST AND DIRT PROOF**  
 35 G.P.M. Pump—Back Geared 4 to 1. 25 G.P.M. Pump—Back Geared  $3\frac{1}{2}$  to 1.  
**OVERSIZE MAIN GEARS**—Machine Cut—No Side Thrust. All Gears Can Be Removed Without Removing the Oil.

**PINIONS**—Hardened Steel, cut integral with the Shaft—no keys to wear or loosen.

**CROSSHEAD**—Large diameter and **extra length**.

**ROLLER BEARINGS**—throughout with hard steel wearing surfaces. We do not use Ball Bearings on Cast Iron.

**WATER SEAL**—on Piston Rods to prevent water from entering Gear or Oil Chamber.

**WATER END**—flanged and bolted onto Gear Case—no **long** bolts that may stretch.

**CYLINDERS**—Porcelain Lined Steel Tubing, with tapered joint—no packing. Any Cylinder, Plunger, Valve, or Valve Seat may be removed without disturbing others or removing Cylinder Body from the Gear Case.

**PLUNGERS**—Rubber-and-Fabric Cup—centered and guided in Cylinder by large diameter, extra length Crosshead. Plunger Cup wears evenly, lasts longer.

**VALVE SEATS**—Stainless Steel, tapered—no gaskets.

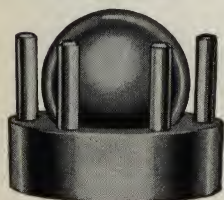
**BALL VALVES**—Stainless Steel.

**VALVE AND CYLINDER CAPS**—flanged and bolted.

**PISTON RODS**—Stainless Steel, accurately centered and securely **welded** into Crosshead.

**UNLOADER**—Diaphragm Type.  
 Ball Valves and Seats are interchangeable in Pump and Unloader.

Fig. 3142



**BETTER VALVES**

The Myers Valve Assembly is extra heavy, stainless steel—less corrosion, less wear, more efficient. The ball itself is of hardest stainless steel, accurately ground and polished.

The tapered valve seat fits into a corresponding taper in the valve chamber body casting. All gaskets are eliminated in this construction. The complete valve assembly can be quickly and easily removed for cleaning by a lifting tool supplied with the pump.

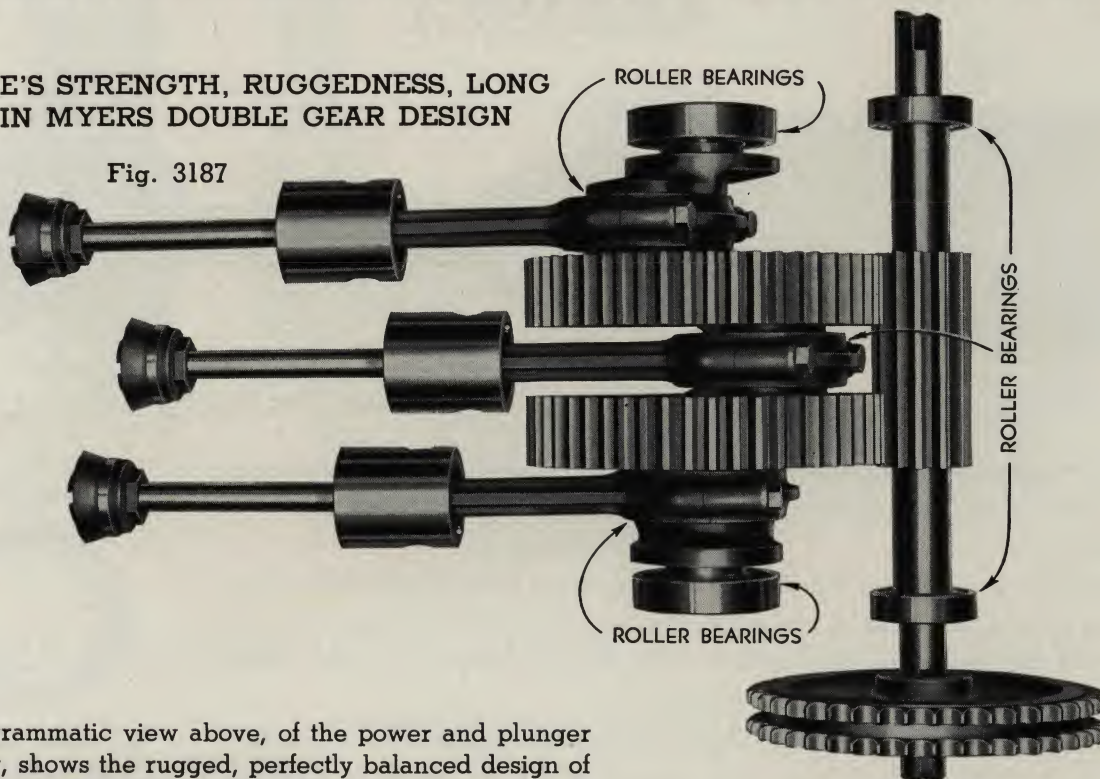




## THE POWER ASSEMBLY OF THE MYERS SELF-OILING BULLDOZER TRIPLEX POWER SPRAY PUMP

THERE'S STRENGTH, RUGGEDNESS, LONG LIFE IN MYERS DOUBLE GEAR DESIGN

Fig. 3187

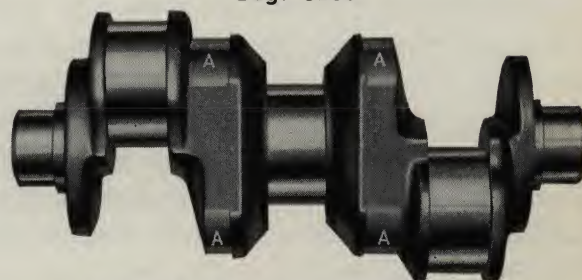


The diagrammatic view above, of the power and plunger assembly, shows the rugged, perfectly balanced design of Myers Double Gear Construction. Two oversize main gears are used instead of one gear which minimizes strains and stresses and provides perfect distribution of the crankshaft load. The Teeth of the steel gears are machine cut after assembly on the crankshaft to insure alignment and perfect mesh of gears and pinions. Greater strength and longer pump life naturally result from this rugged, perfectly balanced design, which positively eliminates destructive side thrust preventing excessive wear, loss of power and breakage.

The entire assembly is supported by large, wide, heavy duty roller bearings at every point where friction might be reduced, wear eliminated or the transmission of power increased. These bearings are of more than ample size for the work they are designed to accomplish. All working parts are constantly lubricated with oil which circulates continuously from the oil reservoir in the lower part of the one-piece casting which forms the gear case.

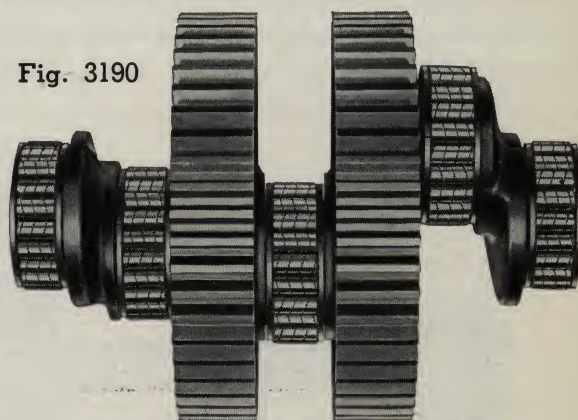
Strength and durability are built into every individual part of this pump. Note the weight, ruggedness and precision machining of the crankshaft. None better will be found in any car or tractor. Accurately machined, heat treated and carefully balanced; it is supported by two main bearings. The ruggedness of the crankshaft combines with perfect lubrication to insure long life.

Fig. 3189



ACCURATELY MACHINED—  
PERFECTLY BALANCED CRANKSHAFT

Fig. 3190



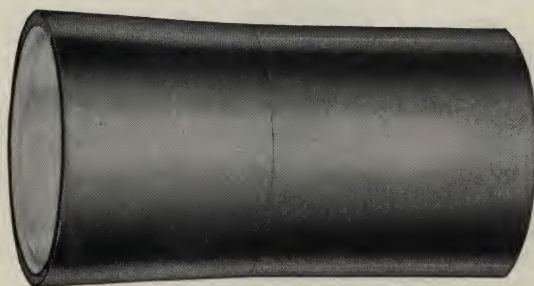
CRANKSHAFT WITH DOUBLE  
GEARS AND BEARINGS IN PLACE





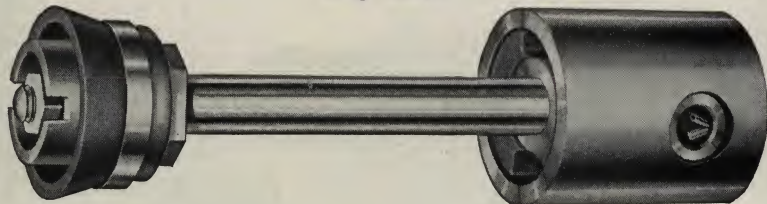
## CYLINDER AND POWER TRANSMISSION ASSEMBLY

Fig. 3143



STEEL CYLINDER SHELL

Fig. 3144



CROSSHEAD AND PLUNGER ASSEMBLY

The Myers Bulldozer Triplex Power Spray Pump is designed for high pressure spraying. Its individual parts are sufficiently strong and precision built to withstand wear which lowers efficiency.

That's why Myers Cylinders, which must carry extreme pressures on each square inch of wall surface, are made of highest quality heavy steel tubing lined with glass-smooth, non-corroding, non-rusting, non-cracking and non-chipping porcelain assuring a gun barrel working surface for the plunger.

The Myers Plunger Assembly is mainly responsible for the efficient and economical operation of the Bulldozer type Myers High Pressure Spray Pump. Large diameter, extra length-crossheads, with the piston rods accurately centered and securely welded into the crossheads, insure straight-line travel of plunger. That's why the cups and cylinder linings as well as other parts of the pump last longer.

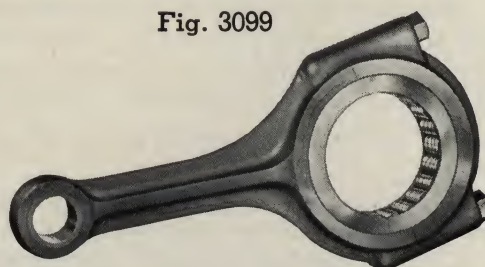
The Eccentric Link used on the Myers Bulldozer Triplex Power Spray Pump provides the finest method for direct application of power from the engine or motor to the plunger that engineering skill can devise. The Extra long connecting links move directly in line with the cylinder—never at abrupt angle to it. Has oversize wrist pins with bronze removable bushings. The large roller bearings with hard steel wearing surfaces allow free turning of the crankshaft and gear shaft reducing friction and power loss to a minimum. Longer pump life and quieter, smoother operation assured.

Fig. 3191



LARGE, HEAVY DUTY ROLLER BEARINGS

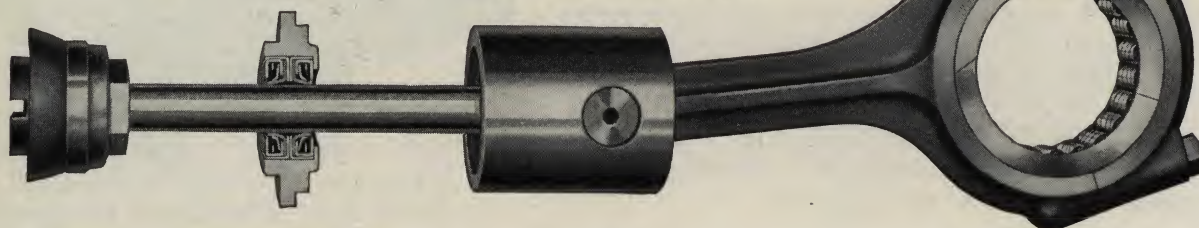
Fig. 3099



ROLLER BEARING ECCENTRIC LINK

Fig. 3192

THE ECCENTRIC PITMAN, CROSSHEAD, WIPER AND PLUNGER ASSEMBLED





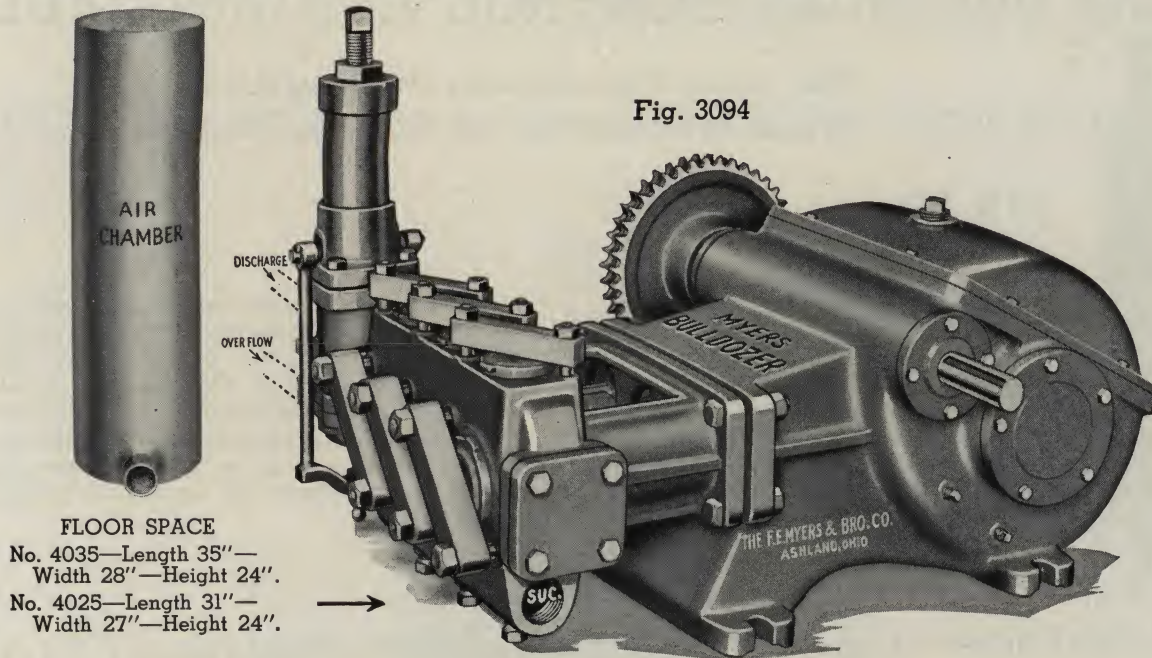


Fig. 3094

FLOOR SPACE  
 No. 4035—Length 35"—  
 Width 28"—Height 24".  
 No. 4025—Length 31"—  
 Width 27"—Height 24".

## THE MYERS BULLDOZER TRIPLEX POWER SPRAY PUMP

In the Myers Bulldozer Self-Oiling Triplex Power Spray Pump are all the features which made famous the Myers Bulldozer Power Pump Line, first introduced to the public by Myers in 1916. This design, which is recognized today, as it was then, as the only truly Self-Oiling construction, has withstood the test of time, the most severe test of all. In addition, this spray pump includes many new refinements necessary to stand the extra severe strain and hard service required of a pump operated under pressures up to 800 lbs.

The power end consists of a rigid one-piece casting which forms the base of the pump and oil reservoir and encloses all working parts; protecting them from

outside elements or injury, securing safety of operation. This casting is completely machined at one setting for all bearings and crosshead guide insuring perfect alignment of all working parts.

All gears and bearings run in a constant bath of oil. The oil is continuously returned to the crank case after circulation eliminating dead ends and providing a positive oiling system—Long life and quiet operation assured!

Nothing has been overlooked in designing this Power Spray Pump to give those who are interested in high pressure spraying greater efficiency—and greater performance than ever before offered.

### PRICE LIST, Fig. 3094

	Price
<b>No. 4035, Myers Bulldozer Self-Oiling Triplex Power Spray Pump, <math>2\frac{1}{2}</math>" bore, <math>3\frac{3}{4}</math>" stroke, with Myers Pressure Control and Unloading Valve, Air Chamber, 800 pound Pressure Gauge, and Pump Sprocket. Capacity 35 G.P.M. Pressure 600-800 Lbs. Weight, 640 pounds. ....</b>	<b>PWIHE .....</b>
<b>No. 4025, Myers Bulldozer Self-Oiling Triplex Power Spray Pump, <math>2\frac{1}{4}</math>" bore, <math>2\frac{7}{8}</math>" stroke, with Myers Pressure Control and Unloading Valve, Air Chamber, 800 pound Pressure Gauge and Pump Sprocket. Capacity 25 G.P.M. Pressure 600-800 Lbs. Weight, 500 pounds ....</b>	<b>PWIIC .....</b>

REPAIRS: See Pages 222 to 226, R40 Repair Catalog

SPRAY  
ACCESS.  
POWER  
TOOLS  
WASHERS  
HAY  
TORE L.  
1008 H.  
ENG.  
DATA  
INDEXES

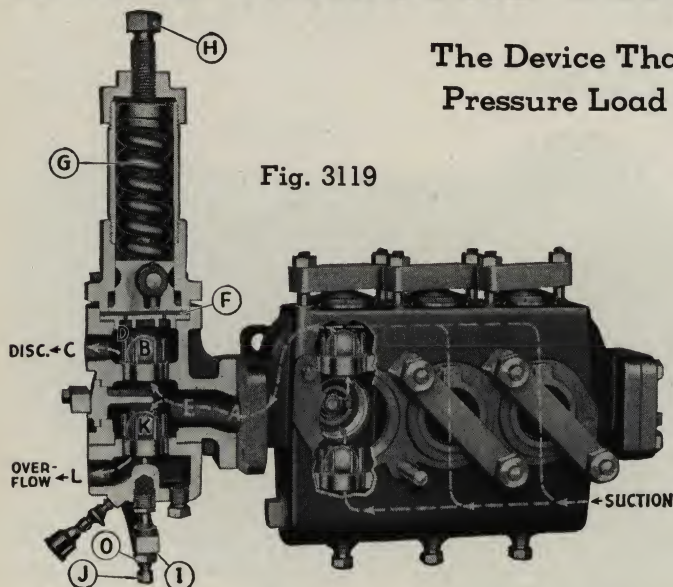




# MYERS PRESSURE CONTROL AND UNLOADER

The Device That Actually Removes the Entire Pressure Load When the Guns Are Shut Off.

Fig. 3119



The liquid enters from the pump through flanged opening (A) into pressure chamber (E) and through pressure retaining valve (B) into (D), passing out the discharge opening (C) to spray guns. The pressure is regulated by coil spring (G) acting on diaphragm (F), which pressure is determined by turning adjusting screw (H). Screwing down on this screw places the spring (G) in compression, raising the pressure; unscrewing the adjusting screw (H) lowers the pressure.

## THE MYERS PRESSURE REGULATOR AND UNLOADER OPERATES AS FOLLOWS

Say the pressure in (D) and (E) is 600 pounds when the guns are open, when the guns are closed, or partially shut off, the pump continues to operate, building up a pressure in (D) and (E) slightly greater than 600 pounds. This pressure is sufficient to force the diaphragm upward, overcoming the spring pressure and carrying with it the yoke (I) and the plunger stem (J); the plunger stem (J) comes up into contact with the ball valve (K) raising it off its seat and permitting a free flow of the surplus liquid from (A); allowing it to pass down and out through (L), to return to the supply tank; permitting the pump to run idle, while at the same time the retaining valve (B) is holding 600 pounds pressure on the guns.

The instant a spray gun is opened, the ball valve (K) closes; thus holding a constant pressure on the guns—no waiting for the pressure to build up, as you have 100% pressure whether guns are open or closed. The overflow (L) simply returns the surplus water from discharge to supply tank with no waste of material.

**TO RAISE PRESSURE—Turn adjusting screw (H) down.**

**TO LOWER PRESSURE—Turn adjusting screw (H) up.**

Open shut-off cock and give the grease cup one-half turn to the right before starting, and one-quarter turn once a day thereafter, keeping plunger

stem properly lubricated and free. Always close shut-off cock after lubricating. No other attention is necessary unless it starts to chatter; this is caused by plunger stem (J) being set too low.

### To stop ball valve (K) from chattering:

Have your pump in operation against Max. pounds pressure. Loosen lock nut (O) holding it with a wrench while turning plunger stem (J) very slowly to the right **just far enough to stop the chattering**. Hold plunger stem (J) in this position and tighten the lock nut (O).

### To make complete adjustment of unloader valve:

#### Make this adjustment with pump stopped.

Completely loosen the adjusting screw (H), then turn it down by hand until there is a **slight** pressure on the spring. Remove truss clamp and open the hole in front to give access to ball valve (K). Loosen lock nut (O) and turn plunger stem (J) upward until it touches the ball valve (K), after which turn this plunger stem (J) backward or down a **half** turn; then tighten the lock nut (O). When turning plunger stem (J) upward one finger should be on ball valve (K), to know exactly when plunger stem touches ball valve (K). Replace cap and truss clamp and be sure this clamp is absolutely tight.

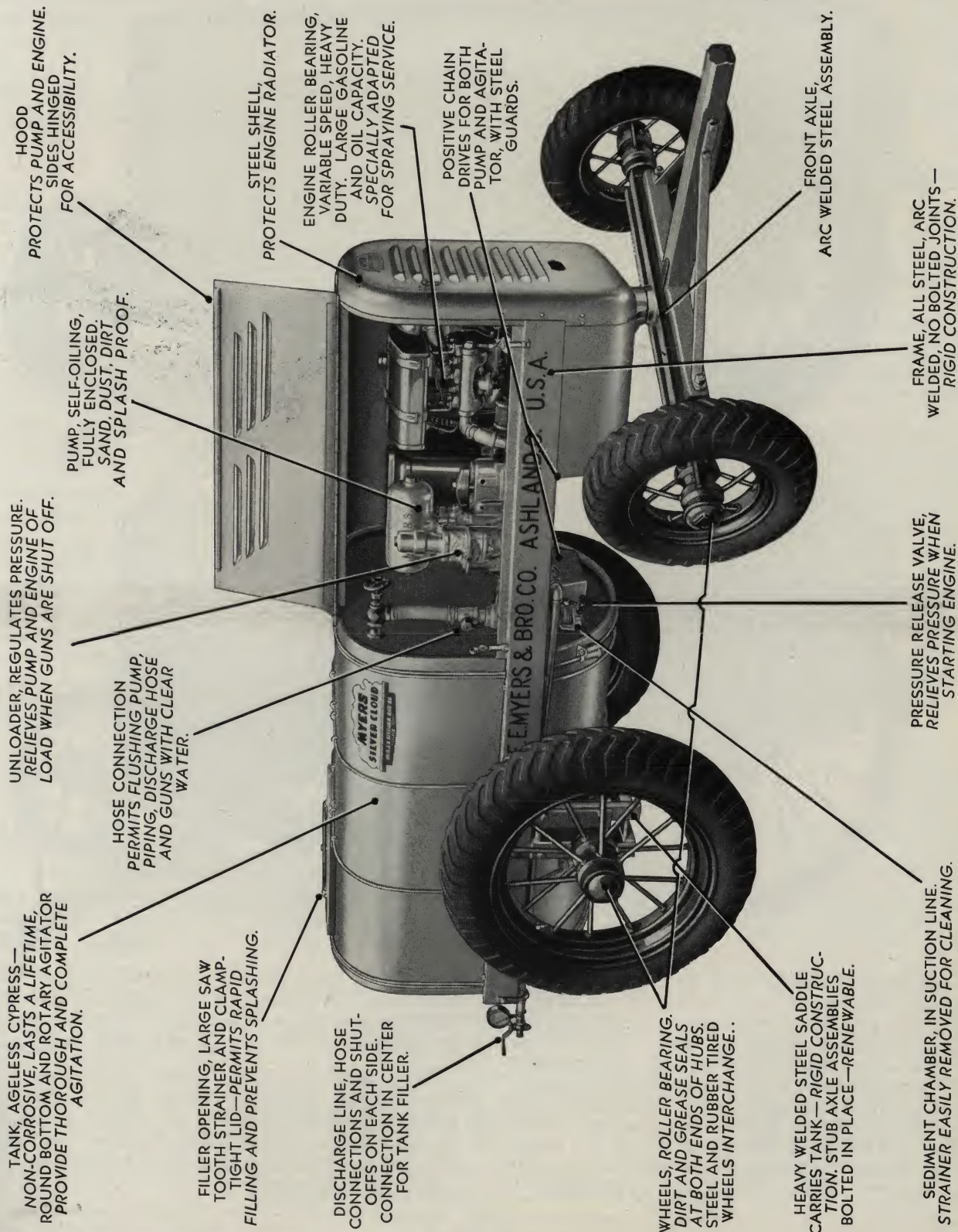
Readjust the pressure by turning adjusting screw (H) down, while pump is operating and guns closed, watching pressure gauge to see when desired pressure is reached.

REPAIRS: See Pages 229 to 231, R40 Repair Catalog





# QUALITY AND CONSTRUCTION FEATURES OF MYERS *Silver Cloud* POWER SPRAYERS





# MYERS *Silver Cloud* BULLDOZER SPRAYERS

WITH  
35 G. P. M. PUMP — 600 LBS. PRESSURE — 20 HP ENGINE  
OR  
25 G. P. M. PUMP — 600 LBS. PRESSURE — 14 HP ENGINE

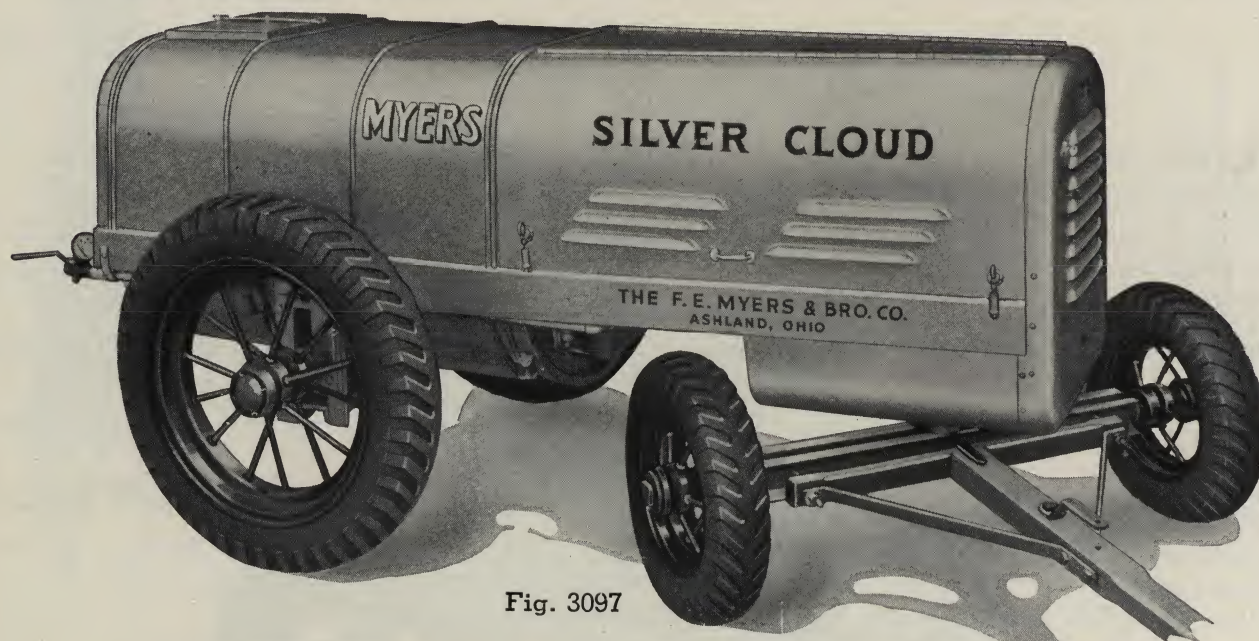


Fig. 3097



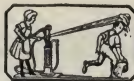
Fig. 3096

This and the following pages show what skill, manufacturing facilities and long experience can give in dependable, reliable power spraying equipment. The sturdy construction of Myers Silver Cloud Power Sprayers, Completely streamlined . . . Full capacity . . . Surplus power . . . Accessibility for inspection and service . . . reveal in every detail a thorough knowledge of the most exacting demands of the modern orchardist. Critical inspection of the pump, engine, chassis and equipment that combine to make these sprayers highly efficient and dependable, is

invited. In four capacity and performance ranges they meet the modern requirements of orchardists and growers. Myers Silver Cloud Sprayers give top performance under any and all conditions.

Figs. 3097 and 3096, above, picture the Myers Silver Cloud Bulldozer Series as furnished with either steel wheels or rubber tire mounting. Equipped as described on the opposite page they are recommended for those who want large capacity and high operating pressures.





Myers Silver Cloud Bulldozer Sprayers are built for use with large capacity, high pressure guns which permit rapid coverage of the largest orchards. They are also popular for custom and shade tree spraying. These sprayers are equipped with Myers Horizontal Type Triplex Self-Oiling Bulldozer Pumps in capacities of 25 and 35 gallons per minute.

Pioneered by Myers, these pumps offer definite advantages over any other design. Double gears give a perfectly balanced construction, with a complete

absence of side thrust and resulting friction.

The strength and stamina of these highly efficient pumps is characteristic of the complete sprayer. The engines provide ample power for operation at 600 lbs. pressure.

Of streamline design with all steel short turn truck, no other sprayer offers so many worthwhile mechanical and service features.

We recommend this sprayer for top performance under any and all conditions.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Bulldozer Triplex Pump 35 or 25 GPM capacity at 600 lbs. Perfect and Continuous Lubrication. Efficient, Economical and Dependable. Long years of satisfactory service assured. For complete description of Pump see Pages 236-239.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 240.

**SEDIMENT CHAMBER & STRAINER**—Mounted in suction line, easily cleaned out. See Fig. 3186, Page 298.

**ENGINE**—20 HP, No. 20R, Fig. 3169, 4 Cylinder, Radiator Cooled, with Magneto and Circulating Pump.

14 HP, No. 14R, Fig. 3169, 4 Cylinder, Radiator Cooled, with Magneto and Circulating Pump.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive enclosed in Steel Guard.

**HOOD**—Steel, Streamlined, Ventilated Side Opening.

**TRUCK**—All Steel, Cut Under, Short Turn.

**AXLES**—Rear, Heavy welded steel saddle carries tank—Rigid construction. Stub Axle assemblies bolted in place—Renewable. Front, arc-welded steel assembly.

**WHEELS**—Roller bearing. Dirt and grease seals at both ends of hubs. Steel and rubber tired wheels interchange.

**DIMENSIONS**—Height 56", Width 73", Tread 61". Length Over-all, 300 Gal. Tank Sprayers 125", 400 Gal. Tank Sprayers 143".

**ACCESSORIES INCLUDED IN PRICES**—Two 50 ft. Leads of 3/4" Myers High Pressure Spray Hose complete with Fittings, Two No. 401S Guns with Fig. 3153 Ball Bearing Hose Swivels, Two Cut-offs, 800 Pound Pressure Gauge, Tool Box.

**EXTRAS**—No. 156, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 25 or 35 Gallon Pump. Wt. 60 lbs.  
.....PUWME, add.....

8" Tires on Rear Wheels of Steel Wheeled Sprayers.....add.....

Welded Steel Draw-bar with Plain Clevis for Tractor Hitch instead of Tongue.....add.....

For Spring Hitch instead of Plain Clevis, .....add.....

For Brakes for Steel Wheeled Sprayers, see Page 295.

For Tower and Platform, see Page 296.

RUBBER TIRED MODEL—FIG. 3097

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Tire Sizes		Tank Gals.	Weight Pounds	CODE	Price
					Front	Rear				
4035-6R3	4035	35	600 lbs.	20 HP	6.00 - 16	7.50 - 28	300	3176	PWOEE	.....
4035-6R4	4035	35	600 lbs.	20 HP	6.00 - 16	7.50 - 28	400	3276	PWOGA	.....
4025-6R3	4025	25	600 lbs.	14 HP	6.00 - 16	7.50 - 28	300	3046	PWOHY	.....
4025-6R4	4025	25	600 lbs.	14 HP	6.00 - 16	7.50 - 28	400	3146	PWOIW	.....

STEEL WHEEL MODELS—FIG. 3096

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Size—Steel Wheels			Tank Gals.	Weight Pounds	CODE	Price
					Rear	Front	Tire				
4035-6S3	4035	35	600 lbs.	20 HP	50"	24"	6"	300	3294	PWMIY	.....
4035-6S4	4035	35	600 lbs.	20 HP	50"	24"	6"	400	3394	PWNUY	.....
4025-6S3	4025	25	600 lbs.	14 HP	50"	24"	6"	300	3164	PWOAM	.....
4025-6S4	4025	25	600 lbs.	14 HP	50"	24"	6"	400	3264	PWOCI	.....

REPAIRS: See Page 227, No. R40 Repair Catalog



# MYERS *Silver Cloud* BULLDOZER SPRAYERS

TRACTOR DRIVEN TYPE WITH 35 or 25 G. P. M. PUMP—600-800 LBS. PRESSURE

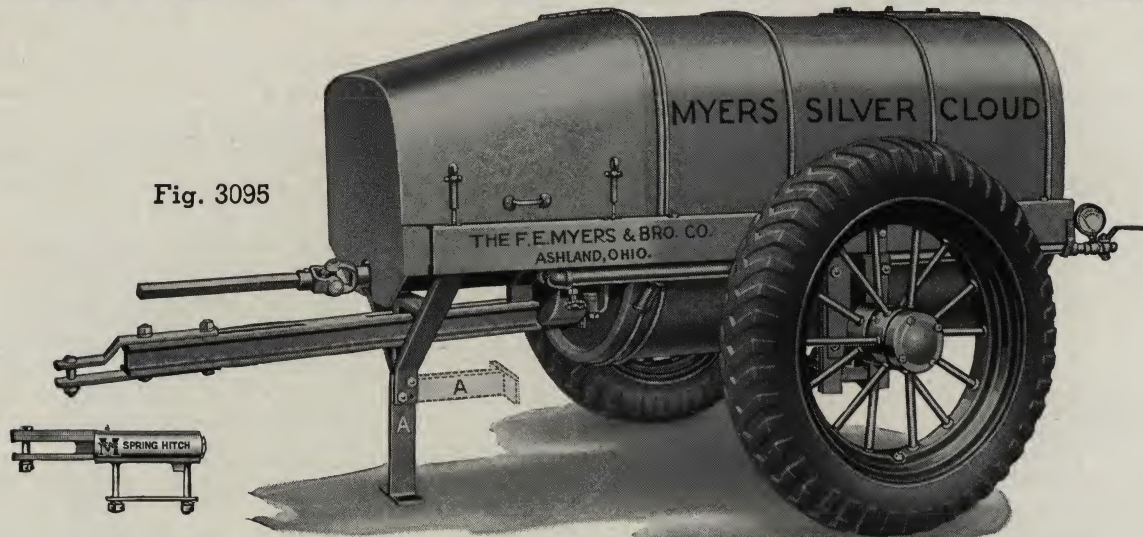


Fig. 3095

Here is ample capacity and pressure for the biggest, toughest spraying jobs. These Myers Silver Cloud Bulldozer Tractor Driven Sprayers with rubber or steel tired wheels meet all demands from fruit and citrus growers for high pressure spraying equipment with tractor power take-off drive.

All the refinements and improvements found in the four wheeled Sprayers of corresponding capacities described elsewhere are incorporated. The Myers Bulldozer Triplex Power Spray Pumps, which are standard equipment in 35 GPM and 25 GPM sizes, develop sufficient pressure for controlling any orchard insect or fungus attacks.

## SPECIFICATIONS

**PUMPS**—Myers Self-Oiling Triplex Bulldozer Pumps 35 or 25 GPM capacity at 600-800 lbs. For description see Pages 236-239.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 240.

**SEDIMENT CHAMBER & STRAINER**—Mounted in suction line, easily cleaned. See Fig. 3186, Page 298.

**DRIVE**—Roller Chain Pump Drive enclosed under Hood. Complete Power Shaft Assembly with two Universal joints between Sprayer and Tractor. Safety Shield Assembly over Power Shaft between Sprayer and Tractor.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive enclosed in Steel Guard.

**HOOD**—Steel, Hinged for Accessibility.

**FRAME**—All Steel, Arc-Welded.

**AXLE**—Heavy welded steel saddle carries tank—Rigid construction. Stub Axle assemblies bolted in place—Renewable.

**WHEELS**—Roller bearing. Dirt and grease seals at both

ends of hubs. Steel and rubber tired wheels interchange. **DIMENSIONS**—300 and 400 Gallon Tank Sprayers, Height 56", Width 73", Tread 61". 500 Gallon Tank Sprayers, Height 66", Width 75", Tread 63".

**ACCESSORIES INCLUDED IN PRICES**—Two 50 ft. Leads of 3/4" Myers High Pressure Spray Hose complete with Fittings, Two No. 401S Guns with Fig. 3153 Roller Bearing Hose Swivels, Two Cut-offs, 800 Pound Pressure Gauge, Spring Hitch.

**EXTRAS**—No. 156, Myers Hydraulic Tank Filler, Fig. 2327, Complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 25 and 35 Gallon Pumps. Wt. 60 lbs.

.....PUWME, add.....  
8" Tires on Steel Wheeled Sprayers, .....add.....

For omission of Safety Shield over Power Shaft Assembly between Sprayer and Tractor (where tractor is not equipped for attaching Standardized Safety Shield) .....deduct.....

For Tower and Platform, see Page 296.

**SPECIFY MAKE AND MODEL OF TRACTOR WHEN ORDERING.**

## RUBBER TIRED MODELS

Catalog Number	Pump Number	Pump GPM	Pressure	Power Required	Tire Sizes	Tank Gals.	Weight Pounds	CODE	Price
4035-6TR3	4035	35	600-800 lbs.	20 HP	7.50 - 28	300	2170	PWIOF	.....
4035-6TR4	4035	35	600-800 lbs.	20 HP	7.50 - 28	400	2315	PWIUD	.....
4035-6TR5	4035	35	600-800 lbs.	20 HP	9.00 - 24	500	2440	PWIVV	.....
4025-6TR3	4025	25	600-800 lbs.	14 HP	7.50 - 28	300	2060	PWKIA	.....
4025-6TR4	4025	25	600-800 lbs.	14 HP	7.50 - 28	400	2200	PWLUA	.....
4025-6TR5	4025	25	600-800 lbs.	14 HP	9.00 - 24	500	2230	PWMAO	.....

## STEEL WHEEL MODELS

Catalog Number	Pump Number	Pump GPM	Pressure	Power Required	Size—Steel Wheels	Tank Gals.	Weight Pounds	CODE	Price
4035-6TS3	4035	35	600-800 lbs.	20 HP	50" x 6"	300	2075	PWIJA	.....
4035-6TS4	4035	35	600-800 lbs.	20 HP	50" x 6"	400	2220	PWIKY	.....
4035-6TS5	4035	35	600-800 lbs.	20 HP	50" x 8"	500	2350	PWIMU	.....
4025-6TS3	4025	25	600-800 lbs.	14 HP	50" x 6"	300	1900	PWJOO	.....
4025-6TS4	4025	25	600-800 lbs.	14 HP	50" x 6"	400	2110	PWJYU	.....
4025-6TS5	4025	25	600-800 lbs.	14 HP	50" x 8"	500	2240	PWKEI	.....

REPAIRS: See Page 227, R40 Repair Catalog



# MYERS *Silver Cloud* BULLDOZER SPRAYERS

## SKID TYPE

WITH 35 G. P. M. PUMP — 600 LBS. PRESSURE — 20 HP ENGINE  
OR 25 G. P. M. PUMP — 600 LBS. PRESSURE — 14 HP ENGINE



Fig. 3257

Developing capacities of 35 GPM and 25 GPM Myers Skid Type Sprayers meet the demands and have the stamina required for big scale orchard operations as well as for spraying shade and ornamental trees in municipalities, cemeteries, parks, institutional grounds and estates.

The famous Myers Self-Oiling Bulldozer Triplex Spray Pumps, which are standard equipment on these sprayers, are capable of maintaining extremely high

pressures, through long leads of hose when necessary, for delivering the spray to the tops of high trees.

Large capacity—proven pump—powered with engines for 600 pounds pressure—complete agitation of spray solution are but a few of the features which also qualify these Myers Silver Cloud Sprayers for meeting the requirements in large orchards, citrus and nut groves.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Triplex Bulldozer Pump 35 or 25 GPM capacity at 600 lbs. Perfect and Continuous Lubrication. Efficient, Economical and Dependable. Long years of satisfactory service assured. For complete description of Pump see Pages 236-239.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 240.

**SEDIMENT CHAMBER & STRAINER**—Mounted in suction line, easily cleaned. See Fig. 3186, Page 298.

**ENGINE**—20 HP, No. 20R, Fig. 3169, 4 Cylinder, Radiator Cooled, with Magneto and Circulating Pump.  
14 HP, No. 14R, Fig. 3169, 4 Cylinder, Radiator Cooled, with Magneto and Circulating Pump.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive enclosed in Steel Guard.

**HOOD**—Steel, Streamlined, Ventilated, Side Opening.

**FRAME**—All Steel, Arc-Welded.

**SKIDS**—4"x6" Hard Wood.

#### DIMENSIONS:

300 Gal. Tank, Length 127", Height 46", Width 48".

400 Gal. Tank, Length 145", Height 46", Width 48".

500 Gal. Tank, Length 140", Height 56", Width 51".

**ACCESSORIES INCLUDED IN PRICES**—Two 50 ft. Leads of 3/4" Myers High Pressure Spray Hose complete with Fittings, Two No. 401S Guns with Fig. 3153 Ball Bearing Hose Swivels, Two Cut-offs, 800 Pound Pressure Gauge, Tool Box.

**EXTRAS**—No. 156, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 25 and 35 Gallon Pumps. Wt. 60 lbs.

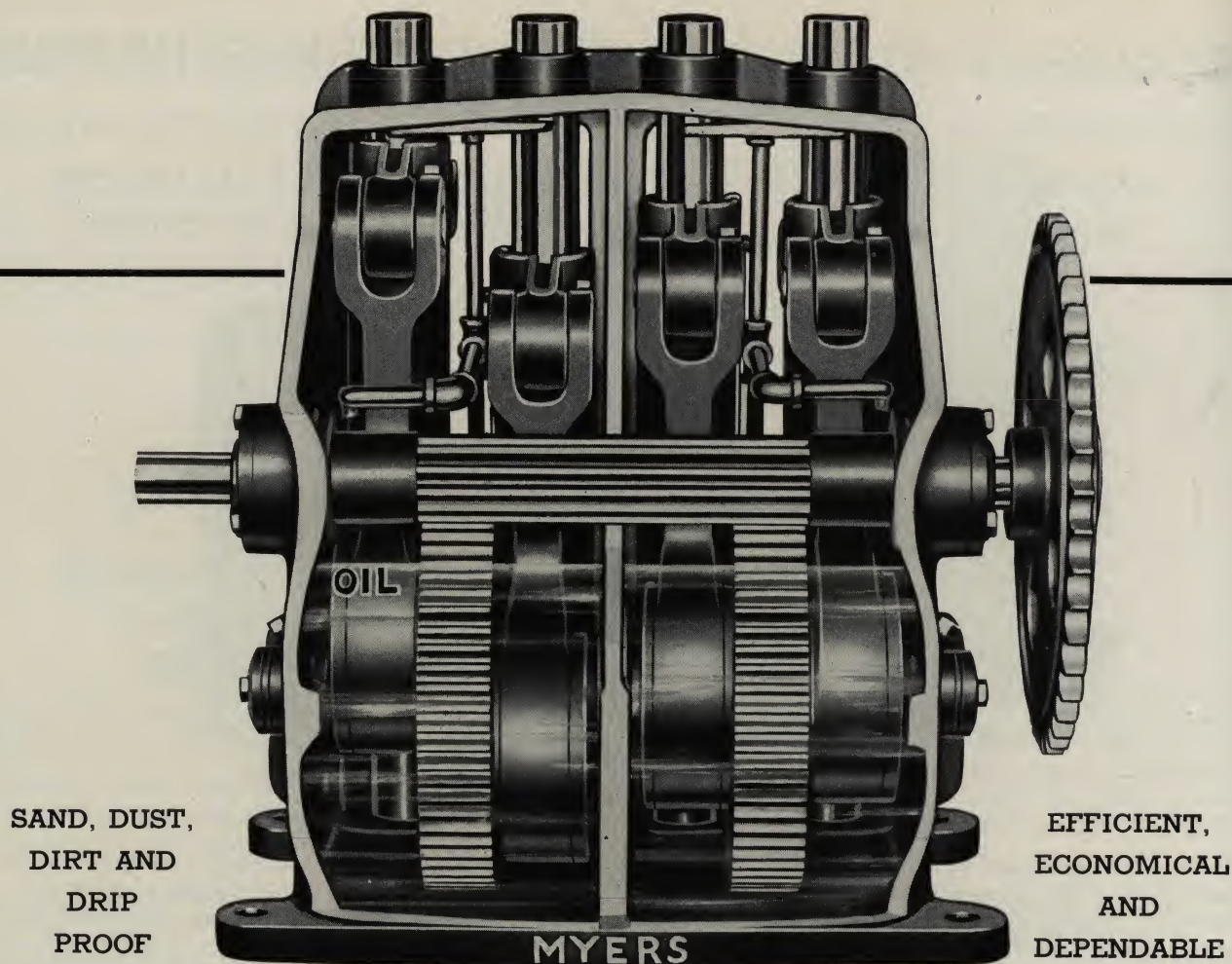
.....PUWME add.....

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Tank Gals.	Weight Pounds	CODE	Price
4035-603	4035	35	600 lbs.	20 HP	300	2485	PWGAU	.....
4035-604	4035	35	600 lbs.	20 HP	400	2630	PWGIE	.....
4035-605	4035	35	600 lbs.	20 HP	500	2800	PWIAS	.....
4025-603	4025	25	600 lbs.	14 HP	300	2375	PWICO	.....
4025-604	4025	25	600 lbs.	14 HP	400	2520	PWIEK	.....
4025-605	4025	25	600 lbs.	14 HP	500	2690	PWIFI	.....

REPAIRS: See Page 227, No. R40 Repair Catalog

SPRAY ACCESS.  
POWER WASHERS  
HAY TOOLS  
1000 H. TIRE L.  
ENG. DATA  
INDEXES





# MYERS SELF-OILING POWER SPRAY PUMPS

## VERTICAL TYPE

Typical of the advanced engineering features embodied in Myers Quadruplex, Triplex and Duplex Vertical type Power Spray Pumps is the perfectly balanced design of the Myers Double Gear Construction. Due to this construction there is no chance for side thrust, strains or stresses on the gears or shafts to cause binding, wear and breakage. Friction and loss of power are definitely eliminated and the load and strain of transmitting the power to the plungers is evenly

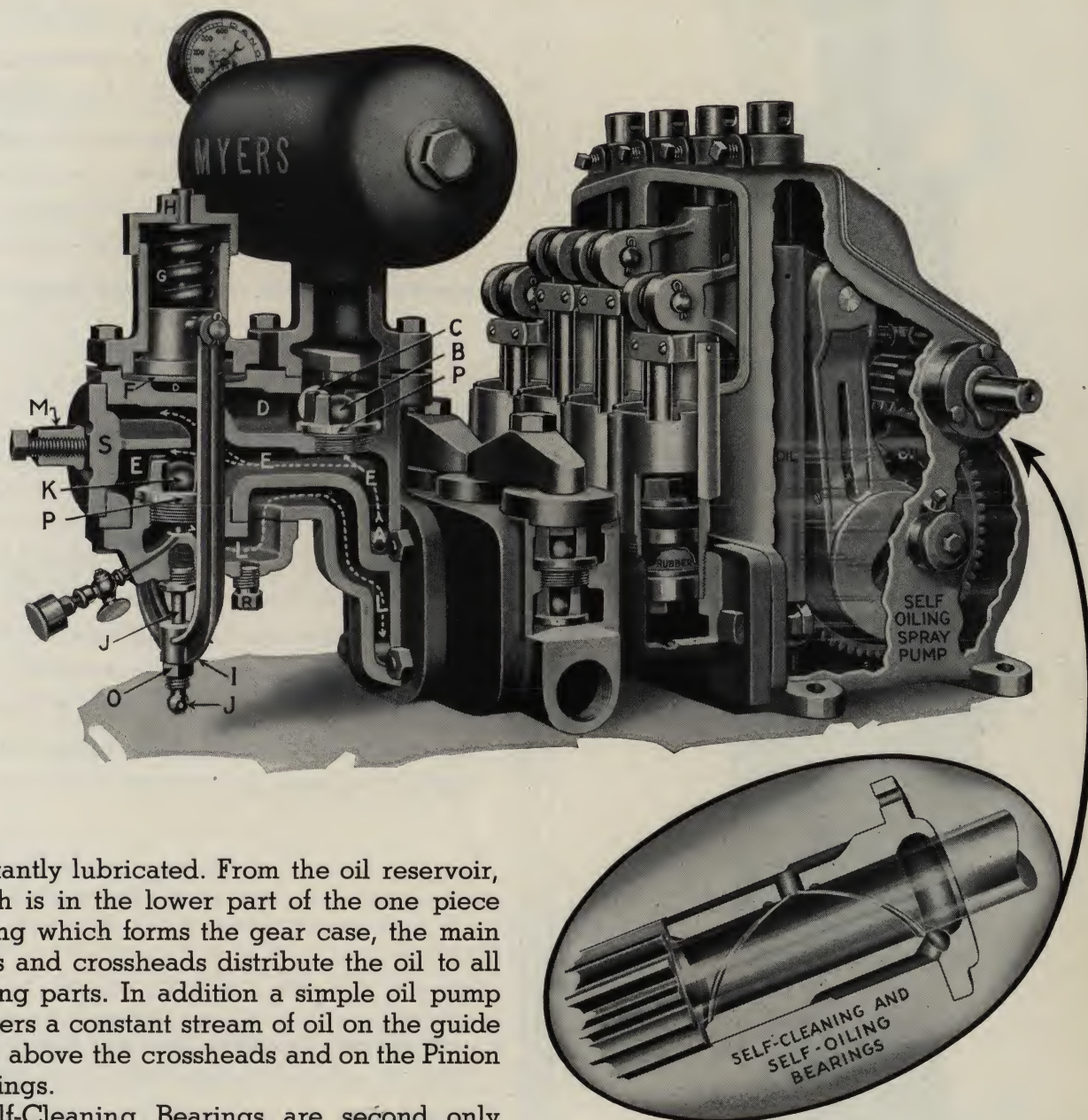
distributed and equalized giving quiet, smooth, efficient and economical operation.

Lubrication is the life-blood of any pump. The first function of a perfect lubrication system is to prevent metal to metal contact between the moving parts. The second is to eliminate or minimize the human element and make lubrication as perfect and continuous as possible.

In the Myers patented Self-Oiling Power Spray Pumps all internal working parts are



# MYERS CONSTRUCTION PROVIDES PERFECT AND CONTINUOUS LUBRICATION VERTICAL TYPE



constantly lubricated. From the oil reservoir, which is in the lower part of the one piece casting which forms the gear case, the main gears and crossheads distribute the oil to all moving parts. In addition a simple oil pump delivers a constant stream of oil on the guide posts above the crossheads and on the Pinion Bearings.

Self-Cleaning Bearings are second only to good lubrication in promoting long life in a Power Spray Pump. The Pinion Bearings in the Myers Power Spray Pump are designed so that oil circulates continuously through the bearings and around the end of the shaft, preventing any accumulation of

sediment which might bind and burn out the bearings. This type of bearing when perfectly lubricated, as it is on all Myers Self-Oiling Power Spray Pumps will outwear any other type of bearing.



# MYERS SELF-OILING POWER SPRAY PUMPS

## VERTICAL TYPE

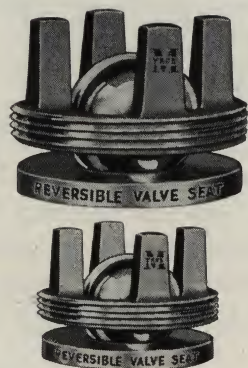
Fig. 2606



Fig. 3154



Fig. 2726



Myers Plungers, Fig. 2606, are fitted with special tanned, extra heavy, double cups—long life assured. The expansion of Myers cups compensate for ordinary wear minimizing operation pressure losses, while further compensation is provided by an expanding rubber disc. This adjustment, an exclusive Myers feature, can be quickly made by the operator in the field, without loss of spraying time.

The Fig. 3154 Myers Cylinder Shell is threaded on the outside to screw into the Cylinder Body against a copper-asbestos gasket at the bottom end. It is made from cold drawn, seamless alloy steel tubing with glass-hard, mirror-finish, porcelain lining. This hard vitreous lining resists wear and will not corrode, chip or crack in service.

All valves, Fig. 2726, are hard, abrasion and corrosion resisting, Stainless Steel—more durable. Seat quickly and positively. Valve seats are reversible giving double service—can be readily removed for cleaning or renewing.



# MYERS SELF-OILING POWER SPRAY PUMPS

## VERTICAL TYPE

Fig. 3221 shows the Plunger and Cylinder Shell, Splash Guards, Crosshead, Steel Guide and Connecting Link Assembly. Note the perfect balance of this Assembly—the Plunger on one side of the Guide Rod and the Connecting Link on the other providing a direct application of power preventing unnecessary wear and strain. The Crosshead is extra heavy, bored and polished, and operates on a Hardened Steel Guide ground to exact size. On the down stroke it dips into the oil carrying the oil up the post to the top of the Crosshead from which the oil over-flows to the Connecting Link Pins—long life assured.

Fig. 3221

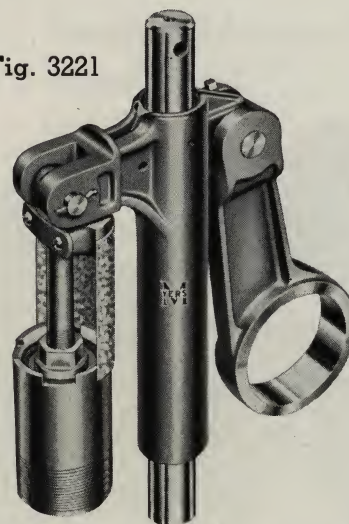


Fig. 2284 illustrates the precision machined oversize Main Gear with Double Eccentric Bearings, 4" in diameter x  $1\frac{5}{8}$ " face—one on either side—cast integral with the Gear Wheel and provided with Oil Grooves for perfect lubrication. In the Duplex and Quadruplex Pumps this Main Gear revolves on a stationary Hardened Shaft, while in the Triplex Pump the shaft revolves with the gear and eccentric assembly in self-cleaning bearings. Extra sturdy to carry maximum loads without undue wear. Smooth, easy, trouble-free operation.

Fig. 2284

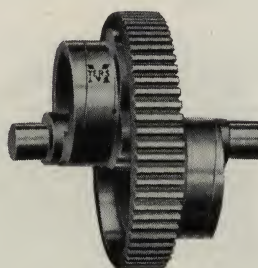


Fig. 2627

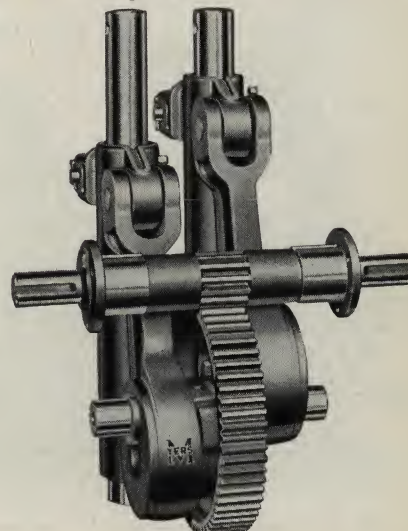


All gears and bearings, including the guide posts, crossheads, connecting links and pinion, operate in constant oil bath. In addition to the bath system of oiling, a simple auxiliary oil pump (Fig. 2627) is attached to the top of the Gear Case and connected to the Crosshead. On each up stroke it discharges a jet of oil on the Guide Post above the Crosshead and on Pinion Bearings insuring a 100% oiling job! Longest life insured! Sand, dust, dirt and moisture are kept out, as gear case which forms reservoir is completely enclosed.

Fig. 3259



Fig. 3222



Steel pinion and shaft, Fig. 3259, are machined from one solid piece to insure maximum strength, perfect alignment and freedom from distortion. Hardened and ground after machining for maximum service.

Illustration, Fig. 3222, shows complete assembly of parts as used in the Duplex Pump. The assembly for the Quadruplex Pump is exactly the same except a double unit of this kind is used and the Gear Shaft is fitted with three Bearings. The Triplex Pump is similar, with Three Eccentric Bearings. The heavy gear case, cast in one piece, is easily accessible for inspection and service.



# MYERS SELF-OILING POWER SPRAY PUMPS VERTICAL TYPE

Sand, Dust and Dirt Proof

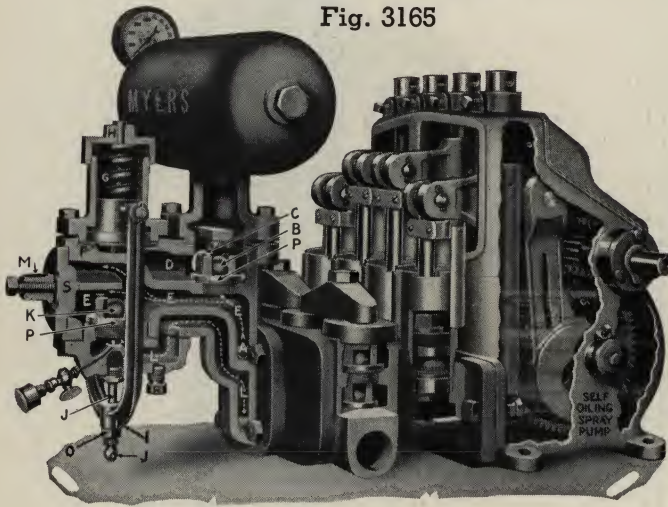
High Pressure

Automatically Controlled

Back Geared 5 to 1

Machine Cut Gear

Fig. 3165



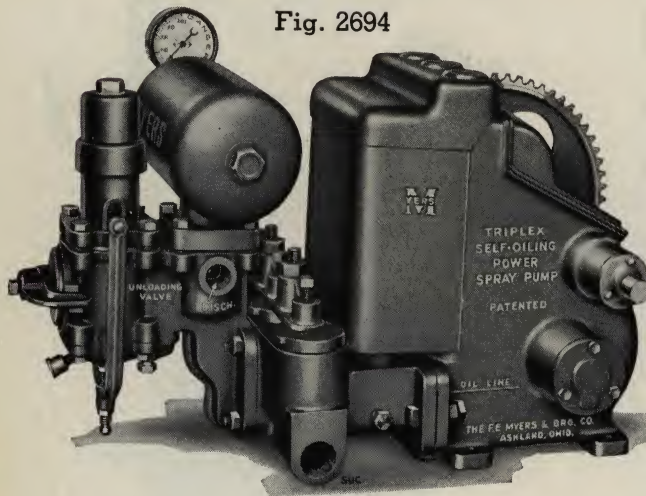
## MYERS QUADRUPLUX PUMP

For two to four guns

The largest of the Myers Vertical type Self-Oiling Power Spray Pumps. Delivers up to 24 gallons per minute and operates at pressures of from 350 to 600 pounds. Meets the demand for higher pressures and greater capacities. Supplied for stationary plants and as standard equipment on the larger Myers Orchard and Row Crop Sprayers.

Perfectly and continuously lubricated. Will render Efficient, Economical and Dependable Service.

Fig. 2694

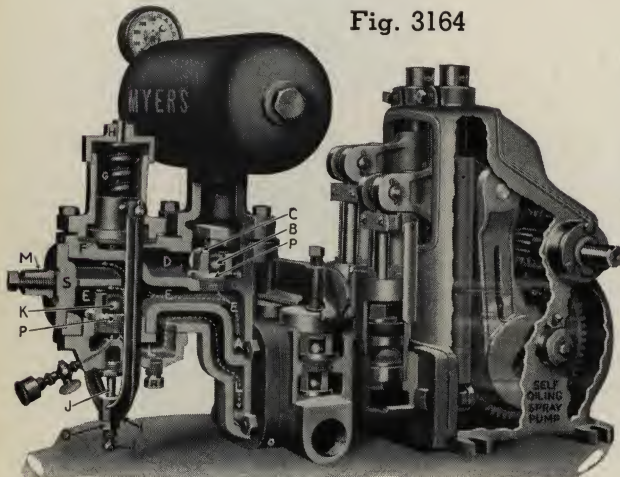


## MYERS TRIPLEX PUMP

For two guns

Has a maximum capacity of 18 GPM at 500 pounds pressure or 12 GPM at 600 pounds. An average size pump furnished as standard equipment on the medium size Myers Gun and Boom Sprayers. Very rugged—greater strength and long life assured by Myers perfect balance, double gear construction. Recommended as an ideal replacement unit for worn out equipment.

Fig. 3164



## MYERS DUPLEX PUMP

For one or two guns

Just as dependable, efficient and economical as the larger sizes this Myers Spray Pump fits every requirement where from 5 to 12 GPM at 350 to 500 pounds pressure are desired. Furnished as regular equipment on many of the Myers Orchard and Field Crop Sprayers. Myers patented design, in which the main gear is centered between the two eccentrics which operate the plungers, prevents side thrust and insures long years of trouble-free economical service.





## Specifications and Structural Details of the Myers Quadruplex, Triplex and Duplex Self-Oiling Power Spray Pumps.

### VERTICAL TYPE

**CAPACITY**—Quadruplex Pump 6.5 to 24 GPM, Triplex Pump 6 to 18 GPM, Duplex Pump 5 to 12 GPM depending upon strokes per minute of Plunger, and diameter of cylinders.

**PRESSURE**—Quadruplex and Triplex Pumps 350 to 600 pounds depending on size of cylinders, Duplex Pump 350 to 500 pounds.

**CYLINDERS**—Quadruplex and Triplex Pumps 2" or 2½" x 2½" depending on pressure desired. Duplex Pump 2½" x 2½". Supported on a flanged projection on the gear case. Accurately machined and held with heavy bolts, insuring perfect alignment. The Cylinder Shells are cold drawn, seamless alloy steel tubing with porcelain lining, threaded on the outside to screw into Cylinder Body against a copper-asbestos ring at bottom end.

**VALVE BALL**—Stainless Steel, Durable, Abrasion and Corrosion Resisting. Seats quickly and positively.

**VALVE SEATS**—Stainless Steel. Abrasion and Corrosion Resisting—Durable. Reversible, giving double service—easily and quickly removed for cleaning or renewing.

**CROSSHEADS**—Extra heavy, accurately bored and polished. Dip into oil on down stroke carrying oil up the post to the top of the Crosshead from which the oil overflows to the Connecting Link Pins. Renewable bronze bushings for Connecting Link Pins.

**CONNECTING LINK PINS**—7/8" Hard Steel.

**ECCENTRIC BEARINGS**—4" in diameter x 1½" face.

**GUIDE ROD POSTS**—1½" hardened steel, ground and polished.

**GEARS**—15/8" face, machine cut. Operate the plungers through eccentric cast integral with each main gear.

**GEAR SHAFT**—Ground and polished.

**PINIONS AND SHAFT**—Hardened Steel pinions, machine cut integral with the pinion shaft, which is ground and polished on bearing surfaces.

**PLUNGER STEMS**—13/16" Hard Steel with drop forged eye and hardened pins.

**BEARINGS**—Self-Oiling and Self-Cleaning.

**DRIVE**—Quadruplex and Triplex Pumps, chain drive. Duplex Pump, belt or chain drive.

**BACK GEARING**—All vertical power spray pumps back geared 5 to 1. This means pinion shaft makes 5 revolutions to 1 stroke of the plunger.

**PRESSURE UNLOADER AND CONTROL VALVE**—A dependable patented device which automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 252.

**ACCESSORIES INCLUDED IN PRICES**—Pressure Control and Unloading Valve with By-Pass built in, Pressure Gauge, one Cut-off on Duplex and Triplex Pumps, (two on Quadruplex Pump), Strainer. Chain Driven Pumps include Sprockets for Pump and Engine but Chain is not included.

#### INSTRUCTIONS FOR ORDERING:—

(A) State Catalog Number of Pump.

#### IF CHAIN DRIVEN

(B) State Pump Speed, giving Strokes per Minute or Capacity Required.

(C) State Engine Operating Speed, giving Revolutions per Minute.

(D) Give Diameter and Keyway Dimensions of Engine Shaft.

Catalog Number	Bore and Stroke	Number of Cylinders	Displacement per stroke	Maximum Strokes per minute	Maximum Pressure	Drive		Weight	Code	Price
						Pump	Engine			
QUADRUPLEX PUMP—Fig.3165										
740X	2½x2½	4	.2125	120	500 lbs.	45T Sprocket	15T Sprocket	508 lbs.	PIDPE	
3915	2 x2½	4	.1360	120	600 lbs.	45T Sprocket	18T Sprocket	508 lbs.	PUREZ	
TRIPLEX PUMP—Fig. 2694										
742X	2½x2½	3	.1593	120	500 lbs.	45T Sprocket	15T Sprocket	388 lbs.	PEZRA	
3912	2 x2½	3	.1020	120	600 lbs.	45T Sprocket	18T Sprocket	388 lbs.	PURAH	
DUPLEX PUMP—Fig. 3164										
700X	2½x2½	2	.1062	120	500 lbs.	45T Sprocket	18T Sprocket	306 lbs.	PIDEB	
701X	2½x2½	2	.1062	120	500 lbs.	14"x3" Pulley		324 lbs.	PIDIT	

**REPAIRS:** See Pages 219 to 221, No. R40 Repair Catalog





# THE MYERS SELF-OILING SPRAY PUMP

PATENTED

The Myers Unloading and Pressure Control Valve

*Stainless Steel Ball Valves and Reversible Valve Seats*

The One Device That Actually Removes the Entire Pressure Load

Fig. 2748

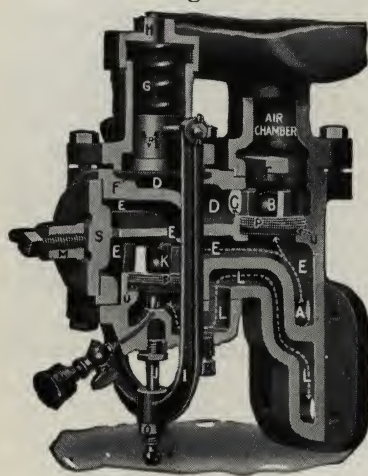


FIG. 2748 illustrates the Myers Pressure Control and Unloader as built into the Pump.

**OPERATION:** The liquid enters from the Pump through (A) into Pressure Chamber (E), and through Pressure Retaining Valve (B) into (D), passing out the Discharge Opening (C) to Spray Gun. The Pressure is regulated by Coil Spring (G) acting on Diaphragm (F), which pressure is determined by turning Nut (H) Screwing down on this Nut places a tension on the Spring (G) raising the pressure. Unscrewing the Nut (H) lowers the pressure.

The Unloading Device operates as follows: Say the spraying pressure in (D) and (E) is 300 pounds when the Guns are open. When you partially close, or shut off the Guns for any reason, as in passing from one tree to another, etc., the Pump continues to run, building up the pressure in (D) and (E) to 301 pounds; the Diaphragm (F) is raised which raises Yoke (I), moving Plunger (J) upward against Ball Valve (K), raising it off its seat permitting the surplus water from (A) to pass back through (L) and return to the Suction, unloading and permitting engine to idle and at the same time the Retaining Valve (B) holds the 300 pounds pressure on the Gun. The instant the Spray Gun is opened the Ball Valve (K) closes; thus holding a constant pressure on the Gun—no waiting for the pressure to build up as you have 100% pressure whether Guns are open or closed.

## When Pump Does Not Hold The Desired Pressure

**Do not try to remedy this by screwing down on pressure nut (H). Look first for the real cause**

**This may be caused by:**

1. The hole in the spray disc of your Gun may be worn and enlarged to such an extent that the Pump does not have the capacity to keep up the Pressure, as the water escapes too fast through these large holes. Remedy: Replace the spray discs with new ones with the proper sized holes. Keep a supply of these Discs on hand or speed up your Engine to increase the capacity of the Pump.

2. Sediment may have lodged under Unloader Ball Valve (K) or one or more of the Pump Valves. Remedy: Remove the caps over valves and clean the valves.

3. Valves and Seats may be worn or pitted from use or the Ball Valves may be marked or scored. If so, replace with others.

4. The Thermo Leather Cups may be worn too thin. Remedy: Replace with new Thermo Cups. Ordinary cup leathers will not answer. Keep a supply of **Thermo** on hand for such emergencies.

5. Post (J) on your Unloading Valve may be set

too high, so as to hold the Ball Valve (K) off of its seat all the time, thus allowing the water to flow back through this valve into the Tank. Remedy: (using great care in making this adjustment) have the Pump running with Gun or Guns **WIDE OPEN**. Loosen lock nut (O) holding it with a wrench, turn Post (J) to the left or downward **just far enough to raise the pressure** to the desired point (keeping your eye on Pressure Gauge while doing this), then tighten Lock Nut (O). There is only one danger in making this adjustment and that is in turning Post (J) down **too far**, for if you do this the Unloading Valve (K) **can't open** when Guns are shut off and you will burst your Pump or Hose. After making this adjustment, close and open your Guns quickly, watching the Pressure Gauge while doing this, and if the pressure rises **above** the regular pressure, Post (J) is **too low** and must be set higher immediately or you will break something.

If the Gun does not spray properly, sediment may have lodged back of Disc opening—remove it.

**REPAIRS:** See Pages 229 to 231, No. R40 Repair Catalog



# MYERS *Silver Cloud* POWER SPRAYERS

## TRACTOR DRIVEN TYPE

WITH 18-20 G. P. M. PUMP — 400-500 LBS. PRESSURE  
OR 12-15 G. P. M. PUMP — 400-500 OR 600 LBS. PRESSURE

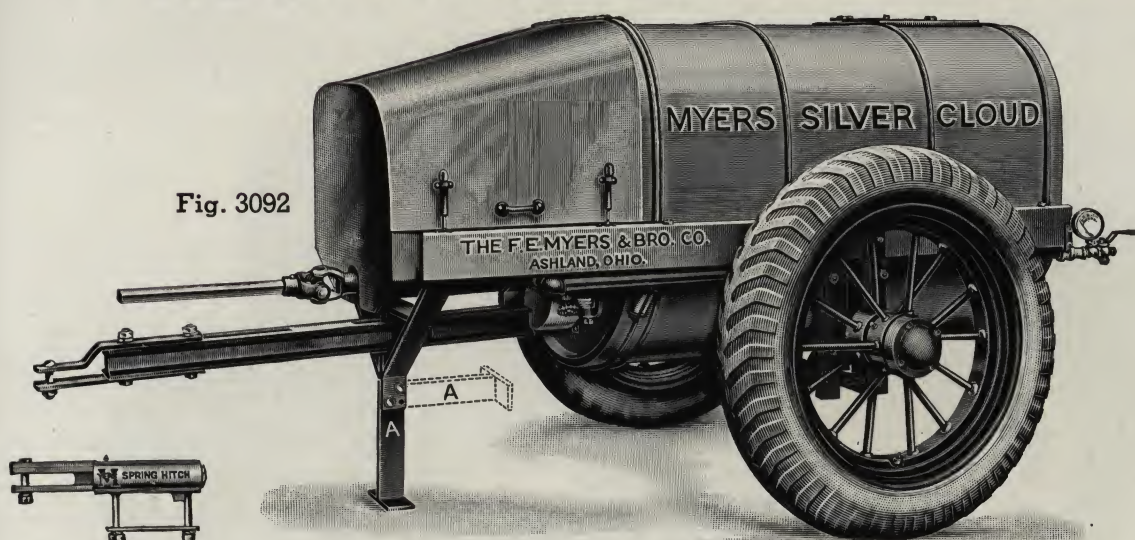


Fig. 3092

Two capacity and pressure ranges are offered in these Myers Silver Cloud Tractor Driven Sprayers. Structurally the same as the four wheeled sprayers of same capacity rating except built with tractor power take-off drive. Having ample gallonage they are popular with orchardists who have large commercial

acreage. They are equipped with the Myers Self-Oiling Quadruplex and Triplex automatically controlled pumps supplying from 12 to 20 gallons per minute with pressures from 400 to 600 pounds. Available with steel or rubber tired roller bearing wheels and with two tank sizes.

### SPECIFICATIONS

FOR SPECIFICATIONS OTHER THAN BELOW, SEE PAGES 255 AND 257.

DRIVE—Roller Chain enclosed under Hood. Complete Power Shaft Assembly with Safety Shield between Sprayer and Tractor.

HOOD—Steel, hinged for accessibility.

DIMENSIONS—Height 56", Width 73", Tread 61". Length, 300 Gallon Tanks 120", 400 Gallon Tanks 138".

ACCESSORIES—Two 50 ft. Leads  $\frac{1}{2}$ " Spray Hose, Two No. 13 Guns, (Fig. 3153 Hose Swivels on Sprayers for 600 lbs.), Two Cut-offs, Pressure Gauge, Spring Hitch.

EXTRAS—No. 156, Tank Filler, with 20 ft. 2 inch Suction

Hose and Strainer. For 20 GPM Pump. Wt. 60 lbs. .... PUWME, add. ....

No. 155, Tank Filler, with 20 ft. 2 inch Suction Hose and Strainer. For 15 GPM Pump. Wt. 54 lbs. PANYU, add. .... 8" Tires on Steel Wheel Sprayers, ..... add. ....

For omission of Safety Shield over Power Shaft Assembly between Sprayer and Tractor (where tractor is not equipped for attaching Standardized Safety Shield) ..... deduct. ....

For Tower and Platform, see Page 296.

SPECIFY MAKE AND MODEL OF TRACTOR WHEN ORDERING.

### RUBBER TIRED MODELS

Catalog Number	Pump Number	Pump GPM	Pressure	Power Required	Tire or Wheel Size	Tank Gals.	Weight Pounds	CODE	Price
WITH QUADRUPLEX 18-20 GPM OR 12-15 GPM PUMPS									
3920-5TR3	740X	18-20	400-500 lbs.	8-12 HP	7.50 - 28	300	2280	PUBEP	.....
3920-5TR4	740X	18-20	400-500 lbs.	8-12 HP	7.50 - 28	400	2325	PUBIH	.....
3915-6TR3	3915	12-15	600 lbs.	12 HP	7.50 - 28	300	2195	PUCMY	.....
3915-6TR4	3915	12-15	600 lbs.	12 HP	7.50 - 28	400	2235	PUCOT	.....
WITH TRIPLEX 12-15 GPM PUMP									
3915-5TR3	742X	12-15	400-500 lbs.	6-8 HP	7.50 - 28	300	2195	PUCAW	.....
3915-5TR4	742X	12-15	400-500 lbs.	6-8 HP	7.50 - 28	400	2235	PUCHI	.....

### STEEL WHEEL MODELS

WITH QUADRUPLEX 18-20 GPM OR 12-15 GPM PUMPS									
3920-5TS3	740X	18-20	400-500 lbs.	8-12 HP	50" x 6"	300	2290	POZPO	.....
3920-5TS4	740X	18-20	400-500 lbs.	8-12 HP	50" x 6"	400	2330	POZSI	.....
3915-6TS3	3915	12-15	600 lbs.	12 HP	50" x 6"	300	2200	PUCIG	.....
3915-6TS4	3915	12-15	600 lbs.	12 HP	50" x 6"	400	2240	PUCLA	.....
WITH TRIPLEX 12-15 GPM PUMP									
3915-5TS3	742X	12-15	400-500 lbs.	6-8 HP	50" x 6"	300	2200	PUBRO	.....
3915-5TS4	742X	12-15	400-500 lbs.	6-8 HP	50" x 6"	400	2240	PUBYA	.....

REPAIRS: See Page 227, No. R40 Repair Catalog

SPRAY  
ACCESS.  
POWER  
WASHERS  
HAY  
TOOLS  
HAY  
TORE L.  
ENG.  
DATA  
INDEXES



# MYERS *Silver Cloud* POWER SPRAYERS

WITH

18-20 G. P. M. PUMP — 400 OR 500 LBS. PRESSURE — 8 OR 14 HP ENGINE  
OR

12-15 G. P. M. PUMP — 600 LBS. PRESSURE — 14 HP ENGINE



Fig. 3087

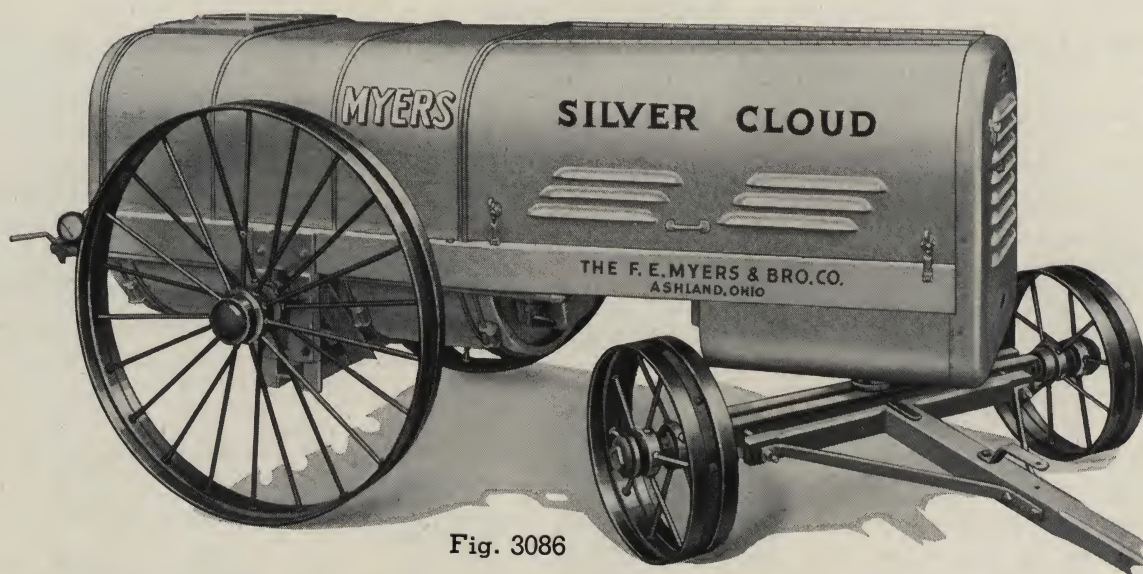


Fig. 3086

HERE ARE FULLY STREAMLINED MYERS SILVER CLOUD POWER SPRAYERS AT A REASONABLE PRICE AND IN A WIDE RANGE OF PRESSURES AND CAPACITIES. AVAILABLE WITH RUBBER TIRED OR STEEL WHEELS WITH ROLLER BEARINGS. FIGURE 3087 SHOWS POPULAR IMPLEMENT TYPE, RUBBER TIRE MOUNTING—RECOMMENDED FOR SOFT GROUND, PROTECTION OF SOD AND PREVENTION OF SOIL EROSION. STEEL WHEEL MODELS, FIGURE 3086, ARE MOUNTED ON THE BEST STEEL WHEELS AVAILABLE. SEE NEXT PAGE FOR COMPLETE INFORMATION AND SPECIFICATIONS.





The smooth operation of the Myers four Cylinder construction has delighted every grower who owns a Myers Self-Oiling Quadruplex Power Sprayer. To those who regard the 400 pound pressure range as being the most practical for spraying operations, important economies are available in the selection of pump and engine. The many desirable features of

Myers Quadruplex Sprayers are also available to growers who prefer pressures of 500 and 600 pounds, through minor changes in the pump and increase in engine rating.

All of the best features in Myers streamline design, chassis and tank construction are built into this series of Silver Cloud Sprayers.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Quadruplex Pump 18-20 GPM capacity at 400 or 500 lbs. and 12-15 GPM capacity at 600 lbs. depending on HP of Engine used and cylinder size. Perfect and Continuous Lubrication. Efficient, Economical and Dependable. Long years of satisfactory service assured. For complete description of Pump see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in suction line, easily cleaned out. See Fig. 3186, Page 298.

**ENGINE**—8 HP, No. 8R, Fig. 3168, Roller Bearing, 2 Cylinder Vertical, Radiator Cooled, Throttle Governed, Variable Speed with Magneto.

14 HP, No. 14R, Fig. 3169, 4 Cylinder, Radiator Cooled, with Magneto and Circulating Pump.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive enclosed in Steel Guard.

**HOOD**—Steel, Streamlined, Ventilated Side Opening.

**TRUCK**—All Steel, Cut Under, Short Turn.

**AXLE**—Rear, Heavy welded steel saddle carries tank—Rigid construction. Stub Axle assemblies bolted in place—Renewable. Front, arc-welded steel assembly.

**WHEELS**—Roller bearing. Dirt and grease seals at both ends of hubs. Steel and rubber tired wheels interchange.

**DIMENSIONS**—Height 56", Width 73", Tread 61". Wheel base, 300 gal. Tanks 70", 400 gal. Tanks 79".

**ACCESSORIES INCLUDED IN PRICE**—Two 50 ft. Leads of 1/2" Myers High Pressure Spray Hose complete with Fittings, Two No. 13 Guns (Fig. 3153, Ball Bearing Hose Swivels furnished on Sprayers for 600 lbs. pressure), Two Cut-offs, Pressure Gauge, Tool Box.

**EXTRAS**—No. 156, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 20 Gallon Pump. Wt. 60 lbs., .....PUWME, add.....

No. 155, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 15 Gallon Pump. Wt. 54 lbs., .....PANYU, add.....

8" Tires on Rear Wheels of Steel Wheeled Sprayers, .....add.....

Welded Steel Draw-bar with Plain Clevis for Tractor Hitch instead of Tongue, .....add.....

For Spring Hitch instead of Plain Clevis, .....add.....

For Brakes for Steel Wheeled Sprayers, see Page 295.

For Tower and Platform, see Page 296.

RUBBER TIRED MODELS—FIG. 3087

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Tire Sizes		Tank Gals.	Weight Pounds	CODE	Price
					Front	Rear				
3920-4R3	740X	18-20	400 lbs.	8 HP	6.00 - 16	7.50 - 28	300	2800	POTVI	.....
3920-4R4	740X	18-20	400 lbs.	8 HP	6.00 - 16	7.50 - 28	400	2882	POVEP	.....
3920-5R3	740X	18-20	500 lbs.	14 HP	6.00 - 16	7.50 - 28	300	3100	POYRO	.....
3920-5R4	740X	18-20	500 lbs.	14 HP	6.00 - 16	7.50 - 28	400	3182	POWAW	.....
3915-6R3	3915	12-15	600 lbs.	14 HP	6.00 - 16	7.50 - 28	300	2968	POWIG	.....
3915-6R4	3915	12-15	600 lbs.	14 HP	6.00 - 16	7.50 - 28	400	3050	POWOT	.....

STEEL WHEEL MODELS—FIG. 3086

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Size—Steel Wheels			Tank Gals.	Weight Pounds	CODE	Price
					Rear	Front	Tire				
3920-4S3	740X	18-20	400 lbs.	8 HP	50"	24"	6"	300	2834	POSUL	.....
3920-4S4	740X	18-20	400 lbs.	8 HP	50"	24"	6"	400	2916	POTAZ	.....
3920-5S3	740X	18-20	500 lbs.	14 HP	50"	24"	6"	300	3134	POTER	.....
3920-5S4	740X	18-20	500 lbs.	14 HP	50"	24"	6"	400	3216	POTIJ	.....
3915-6S3	3915	12-15	600 lbs.	14 HP	50"	24"	6"	300	2934	POTOW	.....
3915-6S4	3915	12-15	600 lbs.	14 HP	50"	24"	6"	400	3024	POTSO	.....

REPAIRS: See Page 227, No. R40 Repair Catalog



# MYERS *Silver Cloud* POWER SPRAYERS

WITH

12-15 G. P. M. PUMP — 400 OR 500 LBS. PRESSURE — 6 OR 8 HP ENGINE

OR

10-12 G. P. M. PUMP — 600 LBS. PRESSURE — 8 HP ENGINE

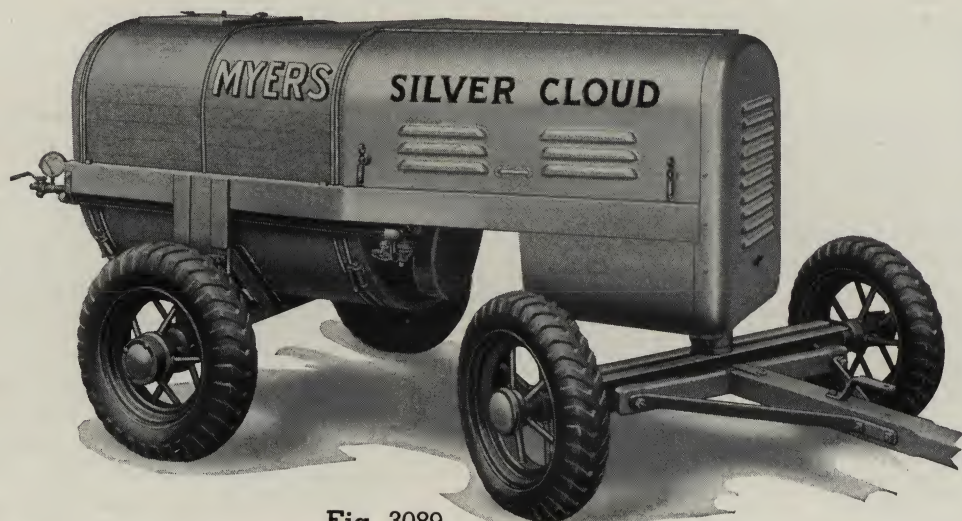


Fig. 3089

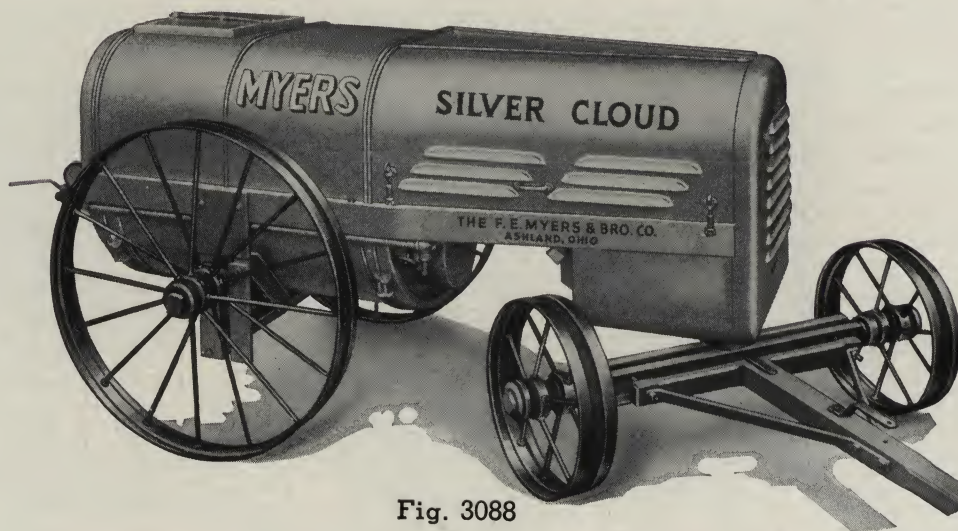


Fig. 3088

THE MYERS SILVER CLOUD TRIPLEX . . . A FINE DEPENDABLE, HIGHLY EFFICIENT SPRAYER . . . IS IDEALLY SUITED FOR THE REQUIREMENTS OF MANY ORCHARDISTS AND GROWERS. STREAMLINE DESIGN . . . LIGHT WEIGHT . . . SUPER POWER . . . IT GIVES THE SAME FINE ECONOMY . . . THE SAME COVERAGE AND PROTECTION . . . THE SAME EASE OF HANDLING . . . AS THE LARGER MODELS. BUILT WITH ROLLER BEARING, RUBBER TIERED OR STEEL WHEELS. FIGURE 3089 SHOWS IMPLEMENT TYPE RUBBER TIRE MOUNTING—FIGURE 3088 STEEL WHEELS WITH WIDE TIRES. FOR MORE FEATURES SEE NEXT PAGE.





Many orchardists find the capacity and pressure range of the Myers Silver Cloud Triplex Power Sprayer ideally suited for their particular condition. It is identical to other sprayers in the Silver Cloud line except in pump, engine and tank capacity. The Self-Oiling, Fully enclosed, Long life Myers Triplex, 3 Cylinder, Vertical type Power Spray Pump insures ample gallonage for two large orchard guns. De-

livers its rated gallonage and pressure easily, economically and dependably. Ruggedly built with low center of gravity, this sprayer is well balanced for easy transportation. Cut under construction permits short turning around trees where sprayer must be maneuvered in limited space. Highly portable . . . Light draft . . . Easily handled . . . it is particularly suited for hilly country.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Triplex Pump 12-15 GPM capacity at 400 or 500 lbs. and 10-12 GPM capacity at 600 lbs. depending on HP of Engine used and cylinder size. Perfect and Continuous Lubrication. Efficient, Economical and Dependable. Long years of satisfactory service assured. For complete description of Pump see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in suction line, easily cleaned out. See Fig. 3186, Page 298.

**ENGINE**—6 HP, No. 6R, Fig. 3168, Roller Bearing, 2 Cylinder Vertical, Radiator Cooled, Throttle Governed, Variable Speed with Magneto.

8 HP, No. 8R, Fig. 3168, Roller Bearing, 2 Cylinder Vertical, Radiator Cooled, Throttle Governed, Variable Speed with Magneto.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive enclosed in Steel Guard.

**HOOD**—Steel, Streamlined, Ventilated Side Opening.

**TRUCK**—All Steel, Cut Under, Short Turn.

**AXLES**—Rear, Heavy welded steel saddle carries tank—Rigid construction. Stub Axle assemblies bolted in place—Renewable. Front, arc-welded, steel assembly.

**WHEELS**—Roller Bearing. Dirt and grease seals at both ends of hubs. Steel and rubber tired wheels interchange.

**DIMENSIONS**—Height 54", Width 68". Length Over-all 100", Tread 57".

**ACCESSORIES INCLUDED IN PRICES**—Two 50 ft. Leads of 1/2" Myers High Pressure Spray Hose complete with Fittings, Two No. 13 Guns, (Fig. 3153 Ball Bearing Hose Swivels furnished on Sprayers for 600 lb. pressure) Two Cut-offs, Pressure Gauge, Tool Box.

**EXTRAS**—No. 155, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 15 Gallon Pump. Wt. 54 lbs. . . . . PANYU, add. . . . .

No. 153, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 12 Gallon Pump. Wt. 51 lbs. . . . . PAMIC, add. . . . .

6" Tires on Rear Wheels of Steel Wheeled Sprayers, . . . . . add. . . . .

Tongue is standard equipment on above Rigs, Stub Tongue and Clevis for Tractor Hitch furnished when specified at same price.

For Brakes for Steel Wheeled Sprayers, see Page 295.

For Tower and Platform, see Page 296.

RUBBER TIRED MODELS—FIG. 3089

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Tire Sizes		Tank Gals.	Weight Pounds	CODE	Price
					Front	Rear				
3915-4R2	742X	12-15	400 lbs.	6 HP	5.00 - 16"	6.00 - 16"	200	2218	POYGI	.....
3915-5R2	742X	12-15	500 lbs.	8 HP	5.00 - 16"	6.00 - 16"	200	2230	POYKA	.....
3912-6R2	3912	10-12	600 lbs.	8 HP	5.00 - 16"	6.00 - 16"	200	2230	POYOR	.....

STEEL WHEEL MODELS—FIG. 3088

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Size—Steel Wheels			Tank Gals.	Weight Pounds	CODE	Price
					Rear	Front	Tire				
3915-4S2	742X	12-15	400 lbs.	6 HP	44"	24"	5"	200	2380	POWUH	.....
3915-5S2	742X	12-15	500 lbs.	8 HP	44"	24"	5"	200	2400	POYDO	.....
3912-6S2	3912	10-12	600 lbs.	8 HP	44"	24"	5"	200	2400	POYEM	.....

REPAIRS: See Page 227, No. R40 Repair Catalog



# MYERS *Silver Cloud* POWER SPRAYERS

WITH

10-12 G. P. M. PUMP — 400 LBS. PRESSURE — 4-5 HP ENGINE

OR

10-12 G. P. M. PUMP — 500 LBS. PRESSURE — 6 HP ENGINE

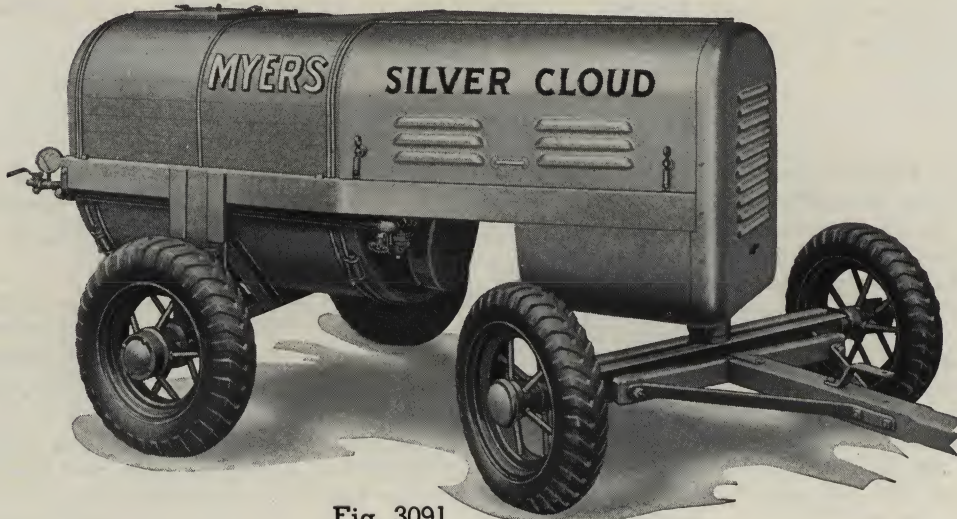


Fig. 3091



Fig. 3090

BUILT TO MYERS HIGH STANDARDS OF QUALITY, THE TWO GUN MYERS DUPLEX SILVER CLOUD POWER SPRAYERS ARE AVAILABLE AS SHOWN ABOVE WITH EITHER RUBBER TIERED OR STEEL ROLLER BEARING WHEELS. THEY ARE HIGHLY RECOMMENDED TO ORCHARDISTS AND GROWERS WHO FAVOR USING SMALLER CAPACITY GUNS FOR THOROUGH AND ECONOMICAL COVERAGE. LIKE THE LARGER SILVER CLOUD MODELS THE STREAMLINE DESIGN FACILITATES MOVEMENT AROUND LOW TREES REDUCING TO A MINIMUM DAMAGE TO LOWER LIMBS OR FRUIT DURING SPRAYING.





The Myers Silver Cloud Duplex Power Sprayer is especially popular for spraying peach and young apple orchards and is particularly suited for hilly conditions. Built to the same high quality standards of the larger capacity Silver Cloud Units it embodies all of their desirable construction and performance features.

The use of this sprayer is by no means confined to small operations.

Two gun equipment at the capacity and pressure range of this series of sprayers meets the specific requirements of many growers in all sections of the country. Moderate cost and economical performance have also contributed to its wide acceptance.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Duplex Pump 10-12 GPM capacity at 400 or 500 lbs. depending on HP of Engine used. Perfect and Continuous Lubrication. Efficient, Economical and Dependable. Long years of satisfactory service assured. For complete description of Pump see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in suction line, easily cleaned out. See Fig. 3186, Page 298.

**ENGINE**—4-5 HP, No. 5R, Fig. 3167, Roller Bearing, 1 Cylinder Vertical, Radiator Cooled, Throttle Governed, Variable Speed with Magneto.

6 HP, No. 6R, Fig. 3168, Roller Bearing, 2 Cylinder Vertical, Radiator Cooled, Throttle Governed, Variable Speed with Magneto.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive enclosed in Steel Guard.

**HOOD**—Steel, Streamlined, Ventilated Side Opening.

**TRUCK**—All Steel, Cut Under, Short Turn.

**AXLES**—Rear, Heavy welded steel saddle carries tank—Rigid construction. Stub Axle assemblies bolted in place—Renewable. Front, arc-welded, steel assembly.

**WHEELS**—Roller bearing. Dirt and grease seals at both ends of hubs. Steel and rubber tired wheels interchange.

**DIMENSIONS**—Height 54", Width 68", Length Over-all 96", Tread 57".

**ACCESSORIES INCLUDED IN PRICES**—Two 50 ft. Leads of 1/2" Myers High Pressure Spray Hose complete with Fittings, Two No. 13 Guns, Two Cut-offs, Pressure Gauge, Tool Box.

**EXTRAS**—No. 153, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 12 Gallon Pump. Wt. 51 lbs. .... PAMIC, add. ....

6" Tires on Rear Wheels of Steel Wheeled Sprayers, ..... add. ....

Tongue is standard equipment on above Rigs, Stub Tongue and Clevis for Tractor Hitch furnished when specified at same price.

For Brakes for Steel Wheeled Sprayers, see Page 295.

For Tower and Platform, see Page 296.

#### RUBBER TIRED MODELS—Fig. 3091

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Tire Sizes		Tank Gals.	Weight Pounds	CODE	Price
					Front	Rear				
3912-4R2	700X	10-12	400 lbs.	4-5 HP	5.00 - 16	6.00 - 16	200	1988	POZEL	.....
3912-5R2	700X	10-12	500 lbs.	6 HP	5.00 - 16	6.00 - 16	200	2154	POZID	.....

#### STEEL WHEEL MODELS—Fig. 3090

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Size—Steel Wheels			Tank Gals.	Weight Pounds	CODE	Price
					Rear	Front	Tire				
3912-4S2	700X	10-12	400 lbs.	4-5 HP	44"	24"	5"	200	2150	POYUF	.....
3912-5S2	700X	10-12	500 lbs.	6 HP	44"	24"	5"	200	2280	POZAT	.....

REPAIRS: See Page 227, No. R40 Repair Catalog



# MYERS JUNIOR POWER SPRAYERS

TRACTOR DRIVEN TYPE WITH 12-15 G. P. M. PUMP — 400-500 LBS. PRESSURE  
10-12 G.P.M. PUMP — 400-500 LBS. PRESSURE OR 6-7 G. P. M. — 300 LBS. PRESSURE

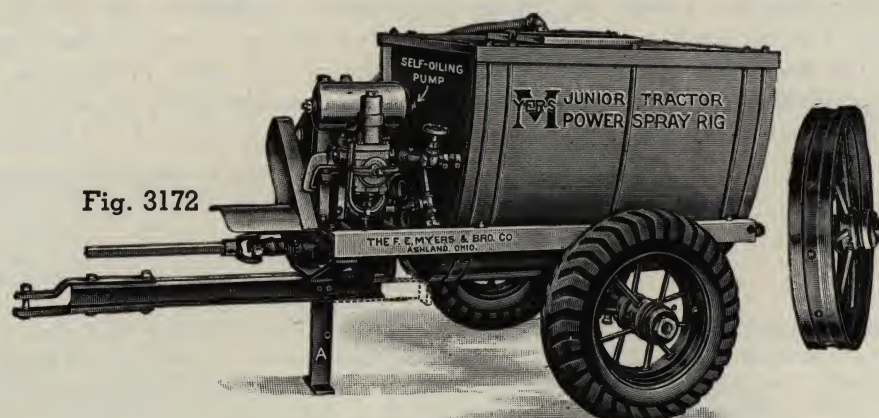


Fig. 3172

These Myers Sprayers, designed for operation by small tractors, afford most advantages of larger sprayers at substantially lower prices. Light in weight and compact to permit use in limited space, as in vineyards and in spraying other similar crops.

These sprayers maintain the high quality and performance values for which all Myers sprayers are

noted. Time tested Cypress tank with round bottom which provides thorough agitation of spraying solution—Myers Self-Oiling horizontal or vertical type Power Spray Pumps are regular equipment, type furnished depending upon pressure and capacity desired—all steel, arc-welded frame—interchangeable roller bearing wheels with either steel or rubber tires.

## SPECIFICATIONS

**PUMP**—Myers Self-Oiling Triplex Pump 12-15 GPM at 400-500 lbs. and Self-Oiling Duplex Pump 10-12 GPM at 400-500 lbs. or Bulldozer Jr. Pump 6-7 GPM at 300 lbs. Complete description of Pumps Pages 246-251, 268.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Pages 252 and 268.

**SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned. See Fig. 2515, Page 298.

**DRIVE**—Roller Chain Pump Drive with Steel Guard. Complete Power Shaft Assembly with two Universal joints between Sprayer and Tractor. Safety Shield Assembly over Power Shaft between Sprayer and Tractor.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive.

**FRAME**—All Steel, Arc-Welded.

**AXLE**—Is made of 1½" round steel attached to the Main Sills by heavy ribbed Cast Brackets.

**WHEELS**—Roller Bearing, Steel or Rubber Tired, Interchangeable.

**DIMENSIONS**—Height 50", Width 60", Tread 48". Length, including Draw Bar, 150 Gallon Tank 102". 200 Gallon Tank, No. 4015 Series, 124". 200 Gallon Tank, No. 4012 Series, 115".

**ACCESSORIES INCLUDED IN PRICES**—200 Gallon Tank Sprayers—Two 50 ft. Leads of ½" High Pressure Hose, Two No. 13 Guns, Two Cut-offs, Pressure Gauge. 150 Gallon Tank Sprayers—One 50 ft. Lead of ½" High Pressure Hose, One No. 13 Gun, One Cut-off, Pressure Gauge.

**EXTRAS**—No. 153, Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose and Strainer. For 7 and 12 Gallon Pumps. Wt. 51 lbs. .... PAMIC, add. ....

No. 155, Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose and Strainer. For 15 Gallon Pump. Wt. 54 lbs. .... PANYU, add. ....  
If with Spring Hitch instead of Plain Clevis ... add. ....

For omission of Safety Shield over Power Shaft Assembly between Sprayer and Tractor (where tractor is not equipped for attaching Standardized Safety Shield) ..... deduct. ....

**SPECIFY MAKE AND MODEL OF TRACTOR WHEN ORDERING.**

Catalog Number	Pump Number	Pump GPM	Pressure	Power Required	Tire and Wheel Sizes	Tank Gals.	Weight Pounds	CODE	Price
<b>RUBBER TIRED MODELS</b>									
4015-5TR2	742X	12-15	400-500 lbs.	6-8 HP	6.50 - 16	200	1340	PWELA	.....
4012-5TR1½	700X	10-12	400-500 lbs.	4-6 HP	6.00 - 16	150	1185	PVUOC	.....
4012-5TR2	700X	10-12	400-500 lbs.	4-6 HP	6.50 - 16	200	1240	PWEIG	.....
4007-3TR1½	696	6-7	300 lbs.	2-3 HP	6.00 - 16	150	1075	PVUQY	.....
<b>STEEL WHEEL MODELS</b>									
4015-5TS2	742X	12-15	400-500 lbs.	6-8 HP	30" x 5"	200	1370	PWEJE	.....
4012-5TS1½	700X	10-12	400-500 lbs.	4-6 HP	30" x 5"	150	1215	PVUNE	.....
4012-5TS2	700X	10-12	400-500 lbs.	4-6 HP	30" x 5"	200	1270	PWEHI	.....
4007-3TS1½	696	6-7	300 lbs.	2-3 HP	30" x 5"	150	1100	PVUPA	.....

**REPAIRS:** See Pages 214, 215, 219 to 221, 228, No. R40 Repair Catalog



# MYERS JUNIOR POWER SPRAYERS

## TRAILER TYPE

WITH 10-12 G. P. M. PUMP — 400 OR 500 LBS. PRESSURE — 4 OR 6 HP ENGINE  
OR 6-7 G. P. M. PUMP — 250 OR 300 LBS. PRESSURE — 2 OR 3 HP ENGINE

Fig. 3177



The trend toward light weight tractors has been responsible for the development of this series of sprayers.

Where the tractor lacks sufficient weight or power for power take off drive, this trailer type sprayer provides ample capacity power and pressure at a substantial savings in cost. It may also be trailed behind automobile, farm wagon or other vehicles.

The narrow tread of this sprayer adapts it especially

for vineyard spraying and similar service, as it can be maneuvered in narrow space and thru closely planted trees.

The power for driving the pump is furnished by the engine mounted on the rig. Supplied with horizontal or vertical type Myers Self-Oiling Pumps—type furnished depending on pressure and capacity desired. Both roller bearing rubber tired and steel wheels are available and interchangeable.

### SPECIFICATIONS

**PUMPS**—Myers Self-Oiling Duplex Pump 10-12 GPM capacity at 400 or 500 lbs. and Myers Self-Oiling Jr. Bulldozer Pump 6-7 GPM capacity at 250 or 300 lbs. depending on HP of Engine used. For description of Pumps see Pages 246-251 and 268.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Pages 252 and 268.

**SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned. See Fig. 2515, Page 298.

**ENGINE**—6 HP, No. 6A, Fig. 3166, Roller Bearing, 1 Cylinder Vertical, Air Cooled. Variable Speed with Magneto. 4-5 HP, No. 5A, Fig. 3166, Roller Bearing, 1 Cylinder Vertical, Air Cooled. Variable Speed with Magneto.

3 HP, No. 3VR, Fig. 2712, Radiator Cooled, Vertical Roller Bearing, Throttle Governed, 1200 RPM, Back Geared 2 to 1, with Magneto.

2 HP, No. 2VH, Fig. 2712, Hopper Cooled, Vertical Roller

Bearing, Throttle Governed, 1200 RPM, Back Geared 2 to 1 with Magneto.

**DRIVE**—Roller Chain.

**TANK**—Cypress, round bottom for complete agitation.

**AGITATOR**—Rotary, Roller Chain Drive.

**FRAME**—Angle and Channel Steel, Arc-Welded.

**AXLE**—Is made of 1 5/8" round steel attached to the main sills by heavy ribbed Cast Brackets.

**WHEELS**—Roller bearing. Dirt and grease seals at both ends of hubs. Steel and rubber tired wheels interchange.

**DIMENSIONS**—Length 115" including Draw Bar. Width 60". Tread 48".

**ACCESSORIES**—One 50 ft. Lead 1/2" Spray Hose, One No. 13 Gun, Cut-off, Pressure Gauge.

**EXTRAS**—No. 153, Tank Filler, with 20 ft. 2 inch Suction Hose and Strainer. For 7 and 12 GPM Pumps. Wt. 51 lbs.

..... PAMIC, add.....  
If with Spring Hitch instead of Plain Clevis.....add.....

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Tire and Wheel Sizes	Tank Gals.	Weight Pounds	CODE	Price
RUBBER TIRED MODELS									
4012-4ETR1 1/2	700X	10-12	400 lbs.	4-5 HP	6.00 - 16	150	1435	PVUYI	.....
4012-5ETR1 1/2	700X	10-12	500 lbs.	6 HP	6.00 - 16	150	1435	PVVAE	.....
4007-2ETR1	696	6-7	250 lbs.	2 HP	5.00 - 16	100	1210	PVWUO	.....
4007-3ETR1	696	6-7	300 lbs.	3 HP	5.00 - 16	100	1210	PVYAB	.....
4007-2ETR1 1/2	696	6-7	250 lbs.	2 HP	6.00 - 16	150	1245	PVYNA	.....
4007-3ETR1 1/2	696	6-7	300 lbs.	3 HP	6.00 - 16	150	1245	PVYOY	.....
STEEL WHEEL MODELS									
4012-4ETS1 1/2	700X	10-12	400 lbs.	4-5 HP	30" x 5"	150	1465	PVUSU	.....
4012-5ETS1 1/2	700X	10-12	500 lbs.	6 HP	30" x 5"	150	1465	PVUVO	.....
4007-2ETS1	696	6-7	250 lbs.	2 HP	30" x 5"	100	1250	PVVIO	.....
4007-3ETS1	696	6-7	300 lbs.	3 HP	30" x 5"	100	1250	PVWOA	.....
4007-2ETS1 1/2	696	6-7	250 lbs.	2 HP	30" x 5"	150	1285	PVYET	.....
4007-3ETS1 1/2	696	6-7	300 lbs.	3 HP	30" x 5"	150	1285	PVYIL	.....

REPAIRS: See Pages 214, 215, 219 to 221, 228, No. R40 Repair Catalog



# THE MYERS GIANT POWER SPRAYERS

WITH

18-20 G. P. M. PUMP — 400 OR 500 LBS. PRESSURE — 8 OR 14 HP ENGINE

12-15 G. P. M. PUMP — 400, 500 OR 600 LBS. PRESSURE — 6, 8 OR 14 HP ENGINE  
OR

10-12 G. P. M. PUMP — 400, 500 OR 600 LBS. PRESSURE — 4-5, 6 OR 8 HP ENGINE

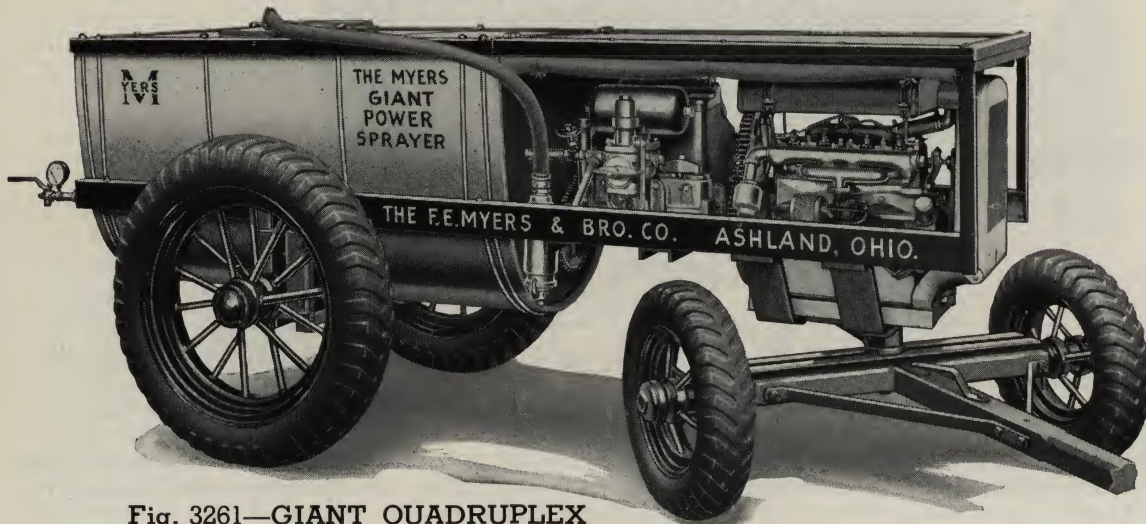


Fig. 3261—GIANT QUADRUPLEX

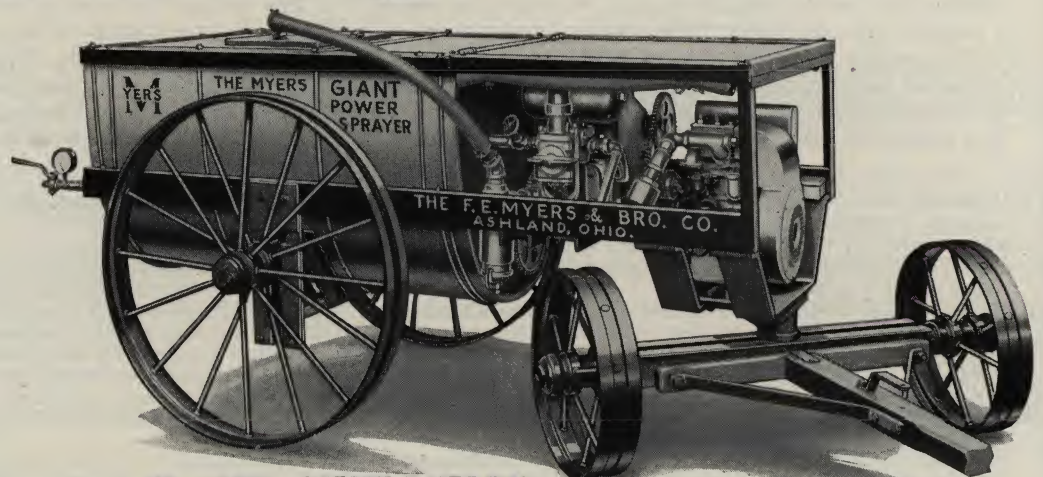


Fig. 3262—GIANT DUPLEX

Myers Giant Quadruplex, Triplex and Duplex Power Sprayers are built of the same fine materials and are equipped with same pumps as Myers Silver Cloud Sprayers of equal capacity rating. Time tested, thoroughly proven and established, you can recommend them to do a fine job of spraying with one or more guns.

Available in a range of from 10 to 20 gallons and pressures of from 400 to 600 pounds this series of sprayers affords the grower an unusually wide range of selection.

These sprayers give the grower all of the advantages that Myers design, construction and performance offer at a substantial savings.

They have the strength and capacity to give efficient, economical and dependable performance.

All models equipped with non-corrosive cypress tanks. Tanks are securely mounted in the all steel

chassis but are removable when necessary.

The round bottom tank has no corners for spray materials to settle in. The rotary type agitator, with replaceable wood blades, is chain driven from the pump.

The chassis is built of heavy steel throughout, the frame itself being rugged channel steel arc-welded. Rear axle is underslung, adapting these sprayers to steep hill-sides. Front wheels cut under to allow for sharp turns. Steel or Rubber Tired Wheels are interchangeable on same spindles. The top cover over the engine and pump is hinged for easy access. Equipped with large saw tooth strainer. Fitted with canvas side curtains.

These models provide a range of completely equipped Sprayers under the famous "Myers" Trademark at a cost any grower can afford.

**REPAIRS:** See Pages 213 to 221, 243 to 244, and 249 to 250, No. R40 Repair Catalog





## SPECIFICATIONS

**PUMPS**—Myers Self-Oiling Vertical Type—Quadruplex, 20 GPM Maximum at 500 lbs. or 15 GPM Maximum at 600 lbs.—Triplex, 15 GPM Maximum at 500 lbs. or 12 GPM Maximum at 600 lbs. Duplex, 12 GPM Maximum at 500 lbs. For description of Pumps see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in suction line, easily cleaned out. See Fig. 3186, Page 298.

**ENGINE**—Quadruplex Sprayers

8 HP, No. 8R, Fig. 3168, Radiator Cooled.

14 HP, No. 14R, Fig. 3169, Radiator Cooled, with Circulating Pump.

Triplex Sprayers

6 HP, No. 6R, Fig. 3168, Radiator Cooled.

8 HP, No. 8R, Fig. 3168, Radiator Cooled.

Duplex Sprayers

4-5 HP, No. 5A, or 6 HP, No. 6A, Fig. 3166, Air Cooled.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive.

**CAB**—Wood Deck over engine with Canvas Side Curtains.

**TRUCK**—All Steel, Cut Under, Short Turn.

**AXLES**—Rear, Heavy welded steel saddle carries tank—Rigid construction. Stub axle assemblies bolted in place—Renewable. Front, arc-welded, steel assembly.

**WHEELS**—Roller bearing. Dirt and grease seals at both ends of hubs. Steel and rubber tired wheels interchange.

**DIMENSIONS LESS TONGUE**—Quadruplex Models—Length 129", Height 53", Tread 56", Width 67".

Triplex Models

Length 116", Height 51", Tread 50", Width 61".

Duplex Models

Length 109", Height 49", Tread 50", Width 61".

**ACCESSORIES**—Two 50 ft. Leads 1/2" Spray Hose, Two No. 13 Guns, (Fig. 3153 Hose Swivels on Sprayers for 600 lbs.),

Two Cut-offs, Pressure Gauge, Tongue, Tool Box.

**EXTRAS**—No. 156, Tank Filler, with 20 ft. 2 inch Suction Hose and Strainer. For 20 GPM Pump. Wt. 60 lbs.

.....PUWME, add.....

No. 155, Tank Filler, with 20 ft. 2 inch Suction Hose and Strainer. For 15 GPM Pump. Wt. 54 lbs.

.....PANYU, add.....

No. 153, Tank Filler, with 20 ft. 2 inch Suction Hose and Strainer. For 12 GPM Pump. Wt. 51 lbs.

.....PAMIC, add.....

8" Tires on Rear Wheels of Steel Wheel Quadruplex Sprayers, .....add.....

For Steel Draw-bar Tractor Hitch with Plain Clevis on Quadruplex Rigs, .....add.....

For Spring Hitch instead of Plain Clevis .....add.....

6" Tires on Rear Wheels of Steel Wheel Triplex and Duplex Sprayers, .....add.....

Stub Tongue and Clevis for Tractor Hitch on Triplex and Duplex Rigs, when specified, at same price.

For Brakes for Steel Wheel Sprayers, see Page 295.

## RUBBER TIRED MODELS

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Tire Sizes		Tank Gals.	Weight Pounds	CODE	Price
					Front	Rear				
WITH QUADRUPLEX 18-20 GPM OR 12-15 GPM PUMPS										
A731-4R3	740X	18-20	400 lbs.	8 HP	6.00 - 16	7.50 - 28	300	2570	PVCOU	.....
A731-4R4	740X	18-20	400 lbs.	8 HP	6.00 - 16	7.50 - 28	400	2650	PVCUI	.....
A731-5R3	740X	18-20	500 lbs.	14 HP	6.00 - 16	7.50 - 28	300	2830	PVEAV	.....
A731-5R4	740X	18-20	500 lbs.	14 HP	6.00 - 16	7.50 - 28	400	2920	PVEEN	.....
A731-6R3	3915	12-15	600 lbs.	14 HP	6.00 - 16	7.50 - 28	300	2830	PVEOS	.....
A731-6R4	3915	12-15	600 lbs.	14 HP	6.00 - 16	7.50 - 28	400	2920	PVETI	.....
WITH TRIPLEX 12-15 GPM OR 10-12 GPM PUMPS										
A724-4R2	742X	12-15	400 lbs.	6 HP	5.00 - 16	6.00 - 16	200	2275	PVEVE	.....
A724-5R2	742X	12-15	500 lbs.	8 HP	5.00 - 16	6.00 - 16	200	2200	PVIEJ	.....
A724-6R2	3912	10-12	600 lbs.	8 HP	5.00 - 16	6.00 - 16	200	2200	PVIOO	.....
WITH DUPLEX 10-12 GPM PUMP										
A720-4R2	700X	10-12	400 lbs.	4-5 HP	5.00 - 16	6.00 - 16	200	1960	PVITE	.....
A720-5R2	700X	10-12	500 lbs.	6 HP	5.00 - 16	6.00 - 16	200	2060	PVIVA	.....

## STEEL WHEEL MODELS

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Size—Steel Wheels			Tank Gals.	Weight Pounds	CODE	Price
					Rear	Front	Tire				
WITH QUADRUPLEX 18-20 GPM OR 12-15 GPM PUMPS											
A731-4S3	740X	18-20	400 lbs.	8 HP	50"	24"	6"	300	2600	PVAYC	.....
A731-4S4	740X	18-20	400 lbs.	8 HP	50"	24"	6"	400	2685	PVBAY	.....
A731-5S3	740X	18-20	500 lbs.	14 HP	50"	24"	6"	300	2850	PVCYA	.....
A731-5S4	740X	18-20	500 lbs.	14 HP	50"	24"	6"	400	2940	PVDEO	.....
A731-6S3	3915	12-15	600 lbs.	14 HP	50"	24"	6"	300	2850	PVEIF	.....
A731-6S4	3915	12-15	600 lbs.	14 HP	50"	24"	6"	400	2940	PVENU	.....
WITH TRIPLEX 12-15 GPM OR 10-12 GPM PUMPS											
A724-4S2	742X	12-15	400 lbs.	6 HP	44"	24"	5"	200	2420	PVEUG	.....
A724-5S2	742X	12-15	500 lbs.	8 HP	44"	24"	5"	200	2420	PVIAR	.....
A724-6S2	3912	10-12	600 lbs.	8 HP	44"	24"	5"	200	2360	PVIIB	.....
WITH DUPLEX 10-12 GPM PUMP											
A720-4S2	700X	10-12	400 lbs.	4-5 HP	44"	24"	5"	200	2120	PVIRI	.....
A720-5S2	700X	10-12	500 lbs.	6 HP	44"	24"	5"	200	2220	PVIUC	.....

**REPAIRS:** See Pages 213 to 215, 219 to 221, 243 and 249 to 250, No R40 Repair Catalog



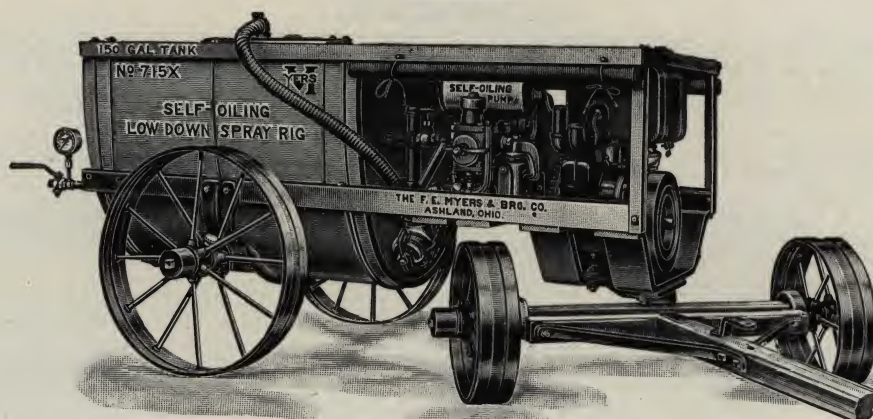


Fig. 2773

## THE MYERS DUPLEX POWER SPRAYER

### WITH 7-10 G. P. M. PUMP — 400 LBS. PRESSURE — 4-5 HP ENGINE

Myers Self-Oiling Duplex Power Sprayer provides a generous surplus of both capacity and power for one gun operation. It is extremely popular with the grower, because it has all the fine qualities found in the larger Myers Sprayers. As sturdy as it looks. The chassis is built of heavy steel throughout, the frame itself being rugged channel steel arc-welded. Front wheels cut under to allow for sharp turns. Rear axle

is under-slung for low center of gravity permitting use in hilly country. Wheels are heavy steel, painted black. The pump and engine are always protected by the top cover which is removable for easy access. Fitted with canvas side curtains. All important operating parts can easily and comfortably be inspected and adjusted without the aid of special tools—an essential point.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Duplex Pump 7-10 GPM capacity at 400 lbs. Perfect and Continuous Lubrication. Efficient, Economical and Dependable. Long years of satisfactory service assured. For complete description of Pump see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in suction line, easily cleaned out. See Fig. 3186, Page 298.

**ENGINE**—4-5 HP No. 5A, Fig. 3166, Roller Bearing Single Cylinder Vertical, Air Cooled, Variable Speed with Magneto.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive.

**CAB**—Wood Deck over engine with Canvas Side Curtains.

**TRUCK**—All Steel, Cut Under, Short Turn.

**AXLES**—Rear Axle is made of  $1\frac{5}{8}$ " round steel with drop center, circling the under side of the Spray Tank and is attached to the main sills by heavy ribbed cast brackets. Front Steel Channels trussed together and thoroughly braced.

**WHEELS**—STEEL, Plain bearing hubs with grease cups.

**DIMENSIONS**—Height 46", Length over-all 90", Width 59", Tread 45".

**ACCESSORIES INCLUDED IN PRICES**—One 50 ft. Lead of  $\frac{1}{2}$ " Myers High Pressure Spray Hose complete with Fittings, One No. 13 Gun, One Cut-off, Pressure Gauge, Tool Box.

**EXTRAS**—No. 153, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 12 Gallon Pump. Wt. 51 lbs.

..... PAMIC, add.....

Tongue is standard equipment, Stub Tongue and Clevis for Tractor Hitch furnished when specified at same price.

For Brakes see Page 295.

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Size—Steel Wheels			Tank Gals.	Weight Pounds	CODE	Price
					Rear	Front	Tire				
A715-4S1 $\frac{1}{2}$	700X	7-10	400 lbs.	4-5 HP	30"	20"	5"	150	1900	PVIWY	.....

**REPAIRS:** See Pages 213 to 215, 219 to 221, 243 and 249 to 250, No. R40 Repair Catalog



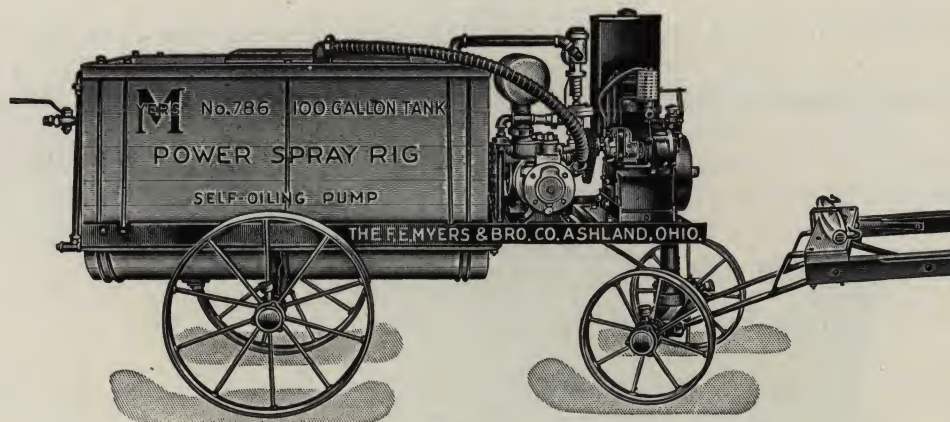


Fig. 2895

## MYERS "CUB" POWER SPRAYERS

WITH

5 G. P. M. PUMP — 250 LBS. PRESSURE — 2 HP ENGINE

OR

6 G. P. M. PUMP — 300 LBS. PRESSURE — 3 HP ENGINE

Here is a popularly priced, one horse drawn, Power Sprayer which is particularly adapted for spraying bush fruits, grapes, small nursery stock, shrubbery or staked plants. Ideal, too, for small orchard and estate work. The Myers "Cub" Power Sprayer with Myers Junior Bulldozer Pump is scientifically designed and built to Myers Quality standards in every respect. The engine and pump are mounted in front of the tank

providing a perfectly balanced low down outfit which is extremely easy to handle. Light in weight and compact, it is of proper width to permit use in limited space as in vineyards, berry patches and in spraying other similar crops. Those seeking an efficient and economical sprayer in this capacity range will find this a highly satisfactory and dependable sprayer.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Jr. Bulldozer Pump 5 or 6 GPM capacity at 250 or 300 lbs. depending on HP of Engine used. Perfect and Continuous Lubrication. Efficient, Economical and Dependable. Long years of satisfactory service assured. For complete description of Pump see Page 268.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 268.

**ENGINE**—2 HP, No. 2VH, Fig. 2712, Hopper Cooled Vertical Roller Bearing, Throttle Governed, 1200 RPM., Back Geared 2 to 1, with Magneto.

3 HP, No. 3VR, Fig. 2712, Radiator Cooled, otherwise same as No. 2VH.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Chain Drive.

**TRUCK**—All Steel, Cut Under, Short Turn.

**AXLES**—Rear, 1½" in diameter. Front 2" Channel trussed together.

**WHEELS**—Steel, plain bearing hubs with grease cups.

**DIMENSIONS**—Height 42", Width 37". Length Over-all 81". Tread 31".

**ACCESSORIES INCLUDED IN PRICES**—One 50 ft. Lead of ½" Myers High Pressure Spray Hose complete with Fittings—One No. 13 Gun—Cut-off—Pressure Gauge and Shafts.

**EXTRAS**—No. 153, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 5 or 6 Gallon Pumps. Wt. 51 lbs. .... PAMIC, add. ....

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Size—Steel Wheels			Tank Gals.	Weight Pounds	CODE	Price
					Rear	Front	Tire				
786-2S1	696	5	250 lbs.	2 HP	24"	16"	4"	100	1265	PUKEG	.....
786-3S1	696	6	300 lbs.	3 HP	24"	16"	4"	100	1275	PUKHA	.....

REPAIRS: See Pages 228 and 245 to 247, No. R40 Repair Catalog



# MYERS JUNIOR POWER SPRAYERS

WITH

5-7 G. P. M. PUMP — 250 OR 300 LBS. PRESSURE — 2 OR 3 HP ENGINE

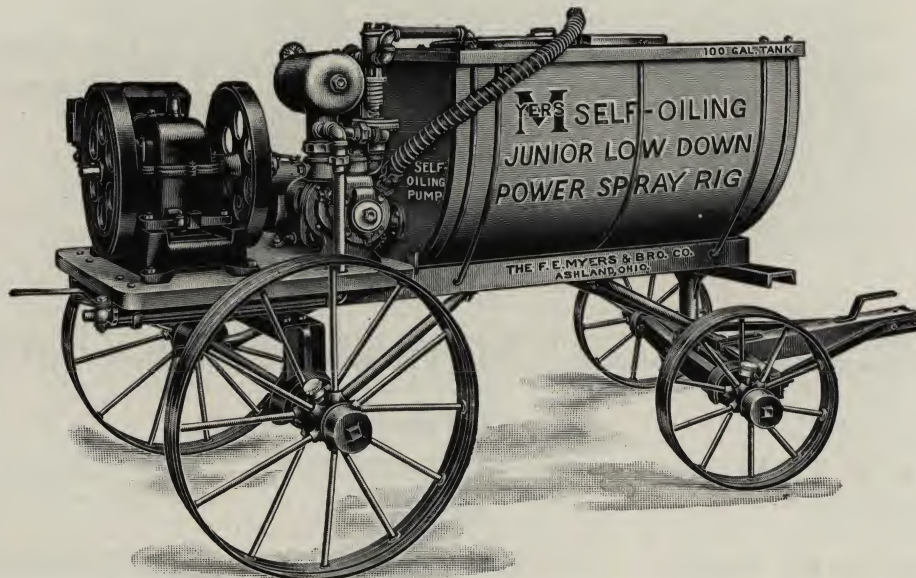


Fig. 2832

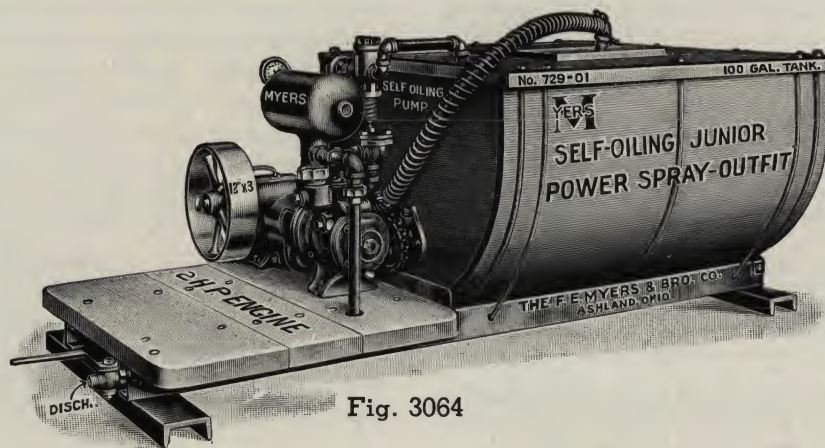


Fig. 3064

Here is a Sprayer for those with small acreages who want the protection spraying affords but whose crops do not justify the purchase of a larger sprayer. Furnished with steel wheels, engine and all steel short turn trucks Figure 2832, or without trucks, Figure 3064, with or without engine.

**REPAIRS:** See Pages 228, 243 and 249 to 250, No. R40 Repair Catalog





Myers Junior Self-Oiling Power Sprayers meet the exacting demands of many growers where the size of the orchard does not justify investment in larger equipment.

The mounted outfits are considered standard for small orchard work while the skid type is particularly popular with landscape gardeners and for those

engaged in custom spraying and commercial white-washing.

Built to Myers Quality Standards and equipped with the famous Myers Self-Oiling Junior Bulldozer automatically controlled Power Spray Pump, Myers Juniors will give excellent trouble-free service within their range of coverage.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Jr. Bulldozer Pump 5-7 GPM capacity at 250 or 300 lbs. depending on HP of Engine used. Perfect and Continuous Lubrication. Efficient, Economical and Dependable. Long years of satisfactory service assured. For complete description of Pump see Page 268.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 268.

**ENGINE**—2 HP, No. 2HH, Fig. 2711, Hopper Cooled, Horizontal with Magneto.

3 HP, No. 3HH, Fig. 2711, Hopper Cooled, Horizontal with Magneto.

**DRIVE**—No. 754 and No. 739 Series, Roller Chain. No. 729 Series, Belt.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Chain Drive.

**PLATFORM**—For mounting engine, 2 inch Plank, 30x36 inches.

**TRUCK**—For No. 754 Series—All Steel, Cut Under, Short Turn.

**AXLES**—Rear Axle, hard steel, replaceable. Front axle is made of steel channels trussed together.

**WHEELS**—Steel, Plain bearing hubs with grease cups.

**DIMENSIONS**—No. 754 Series, Width 60". Length Over-all 88". Height 100 Gallon Tank Sprayer 51", 150 Gallon Tank Sprayer 58". Tread 46". No. 729 and No. 739 Series, Width 39". Length Over-all 79". Height 100 Gallon Tank Sprayers 31", 150 Gallon Tank Sprayers 38".

**ACCESSORIES INCLUDED IN PRICES**—One 50 ft. Lead  $\frac{1}{2}$ " Myers High Pressure Spray Hose complete with Fittings, One No. 13 Gun, One Cut-off and Pressure Gauge.

**EXTRAS**—No. 153, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 5,  $5\frac{1}{2}$ , 6 or 7 Gallon Pumps. Wt. 51 lbs. .... PAMIC, add. ....  
Belt for No. 729, .... PASJU, add. ....  
Stub Tongue and Clevis for Tractor Hitch on No. 754. Furnished at same price.

STEEL WHEEL MODELS WITH ENGINE—Fig. 2832

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Size—Steel Wheels			Tank Gals.	Weight Pounds	CODE	Price
					Rear	Front	Tire				
754-2S1	696	5	250 lbs.	2 HP	30"	20"	4"	100	1550	PUJNO	.....
754-2S1½	696	5	250 lbs.	2 HP	30"	20"	4"	150	1560	PUJOM	.....
754-3S1	696	5½	300 lbs.	3 HP	30"	20"	4"	100	1600	PUJVV	.....
754-3S1½	696	5½	300 lbs.	3 HP	30"	20"	4"	150	1610	PUKDI	.....

SKID TYPE MODELS WITH ENGINE

739-2O1	696	5	250 lbs.	2 HP				100	1010	PULAN	.....
739-2O1½	696	5	250 lbs.	2 HP				150	1055	PULEF	.....
739-3O1	696	5½	300 lbs.	3 HP				100	1070	PULOK	.....
739-3O1½	696	5½	300 lbs.	3 HP				150	1095	PULPI	.....

SKID TYPE MODELS WITHOUT ENGINE—Fig. 3064

729-3O1	697	5-7	250-300 lbs.					100	745	PUKOL	.....
729-3O1½	697	5-7	250-300 lbs.					150	770	PUKUZ	.....

REPAIRS: See Pages 228, 243 and 249 to 250, No. R40 Repair Catalog

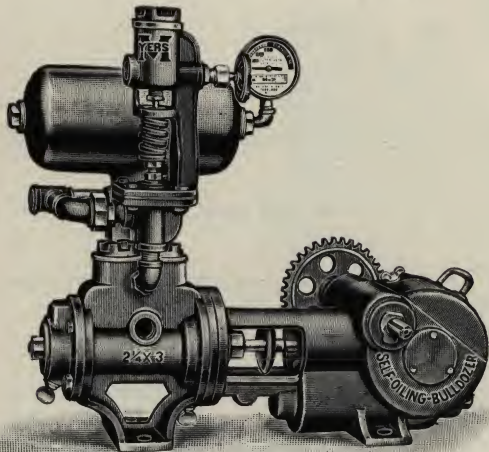




# MYERS SELF-OILING BULLDOZER JR. SPRAY PUMP

PERFECT AND CONTINUOUS LUBRICATION

Fig. 2777



PATENTED

Machine Cut Gear

Back Geared Five to One

Chain or Belt Driven

High Pressure Pump

Tested at 350 Pounds

300 Pounds Recommended

Fig. 2781

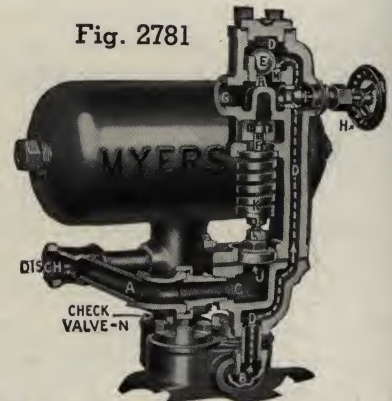


Fig. 2781 illustrates the Myers Junior PRESSURE UNLOADER AND CONTROL VALVE—A dependable patented device, which is an integral part of the pump. It automatically controls pressure and relieves the Pump and Engine of load when guns or nozzles are not operating.

Myers Self-Oiling Bulldozer Jr. Spray Pump has all the desirable features for which the larger Myers Horizontal Type Self-Oiling power spray pumps are famous. All working parts are fully enclosed and operate in an oil bath assuring long life and highest efficiency.

Although 300 pounds working pressure is recommended all Myers Self-Oiling Bulldozer Jr. Spray Pumps are tested up to 350 pounds pressure. All

load on the pump and engine when guns or nozzles are not operating, is removed by the famous built-in Myers Pressure Control and Unloading Valve. This pump is standard equipment on many of the smaller Myers Sprayers and is also widely used by growers and orchardists as a replacement unit for worn out and obsolete pumps of other makes or for sprayers built up locally.

## SPECIFICATIONS

**CAPACITY**—5 to 8 GPM depending upon strokes per minute of Plunger.

**PRESSURE**—300 pounds.

**CYLINDER**—2 $\frac{1}{4}$ " x 3", Porcelain Lined Parkerized rust resisting Steel Tubing—Removable.

**VALVE BALL**—Stainless Steel, Durable, Abrasion and Corrosion Resisting. Seats quickly and positively.

**VALVE SEATS**—Renewable Bronze type, threaded into cylinder body casting.

**CROSSHEAD**—Extra heavy, accurately bored and polished.

**CONNECTING LINK PIN**— $\frac{7}{8}$ " Hard Steel.

**GEARS**—Two Machine Cut Main Gears are used instead of one Gear which minimizes strains and stresses and provides perfect distribution of the load. Greater strength and longer pump life naturally result from this rugged, perfectly balanced design, which positively eliminates destructive side thrust preventing excessive wear, loss

of power and breakage.

**PINIONS**—Steel, machine cut integral with the steel Driving Shaft.

**PISTON ROD**— $\frac{5}{8}$ " Stainless steel. Has Stuffing Box with Gland and outside Nut.

**BEARINGS**—Self-Oiling and Self-Cleaning.

**DRIVE**—Belt or Chain.

**BACK GEARING**—5 to 1. This means Pinion Shaft makes 5 revolutions to 1 stroke of the Plunger.

**PRESSURE UNLOADER AND CONTROL VALVE**—A dependable patented device which automatically controls pressure and relieves the Pump and Engine of load when guns or nozzles are not operating.

**ACCESSORIES INCLUDED IN PRICES**—Pressure Control and Unloading Valve, Pressure Gauge, Strainer and Sprockets for Pump and Engine. 12" x 3" Pulley supplied with Belt driven pump.

**EXTRAS**—Reduction Gear for Agitator. PEWCI add.....

Catalog Number	Bore and Stroke	Displacement per Stroke	Maximum Strokes per Minute	Pressure	Drive		Weight	CODE	Price
					Pump	Engine			
696	2 $\frac{1}{4}$ x3	.1033	80	300 lbs.	35T Sprocket	15T Sprocket	215 lbs.	PILTO	.....
697	2 $\frac{1}{4}$ x3	.1033	80	300 lbs.	12"x3" Pulley		220 lbs.	PILUM	.....

REPAIRS: See Page 228, No. R40 Repair Catalog



# MYERS *Silver Cloud* POWER SPRAYERS

## SKID TYPE

WITH 18-20 G. P. M. PUMP — 400 OR 500 LBS. PRESSURE — 8 OR 14 HP ENGINE  
OR 12-15 G. P. M. PUMP — 600 LBS. PRESSURE — 14 HP ENGINE



Fig. 3256

This Myers Silver Cloud Sprayer fitted with the largest Myers Vertical type Self-Oiling Pump is designed for severe service. It appeals to those who wish to utilize motor truck or other vehicles for transportation. Also used extensively for stationary service.

The smooth operation of the Myers four Cylinder construction has delighted every owner of a Myers Self-Oiling Quaduplex Power Sprayer. To those who regard the 400 pound pressure range as being the

most practical for spraying operations, important economies are available in selection of pump and engine.

The many desirable features of the Myers Quaduplex Sprayer are also available to growers who prefer pressures of 500 or 600 pounds, through minor changes in the pump and increase in engine rating.

All of the best features of Myers streamline design and tank construction are built into this series of Silver Cloud Sprayers.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Quaduplex Pump 18-20 GPM capacity at 400 or 500 lbs. and 12-15 GPM capacity at 600 lbs. depending on HP of Engine used and cylinder size. For description see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 252.

**SEDIMENT CHAMBER AND STRAINER**—Mounted in suction line, easily cleaned out. See Fig. 3186, Page 298.

**ENGINE**—8 HP, No. 8R, Fig. 3168, 2 Cylinder, Radiator Cooled, Variable Speed with Magneto.

14 HP, No. 14R, Fig. 3169, 4 Cylinder, Radiator Cooled, Variable Speed with Magneto and Circulating Pump.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive enclosed in Steel Guard.

**HOOD**—Steel, Streamlined, Ventilated Side Opening.

**FRAME**—All Steel, Arc-Welded.

**SKIDS**—4"x6", Hard Wood.

**DIMENSIONS**—Width 48", Height 47". Length—No. 403 111", No. 404 129", No. 503 119", No. 504 137", No. 603 119", No. 604 137".

**ACCESSORIES INCLUDED IN PRICES**—Two 50 ft. Leads 1/2" Myers High Pressure Spray Hose complete with Fittings, Two No. 13 Guns (Fig. 3153 Ball Bearing Hose Swivels furnished on Sprayers for 600 lbs. pressure), Two Cut-offs, Pressure Gauge, Tool Box.

**EXTRAS**—No. 156, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 20 Gallon Pump. Wt. 60 lbs. .... PUWME, add. ....

No. 155, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 15 Gallon Pump. Wt. 54 lbs. PANYU, add. ....

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Tank Gals.	Weight Pounds	CODE	Price
3920-403	740X	18-20	400 lbs.	8 HP	300	2360	PURUS	.....
3920-404	740X	18-20	400 lbs.	8 HP	400	2500	PURWO	.....
3920-503	740X	18-20	500 lbs.	14 HP	300	2660	PURYK	.....
3920-504	740X	18-20	500 lbs.	14 HP	400	2830	PURZI	.....
3915-603	3915	12-15	600 lbs.	14 HP	300	2660	PUSAG	.....
3915-604	3915	12-15	600 lbs.	14 HP	400	2830	PUSBE	.....

REPAIRS: See Page 227, No. R40 Repair Catalog

SPRAY ACCESS. POWER WASHERS HAY TOOLS DOOR H. TIRE L. ENG. DATA INDEXES



# THE MYERS PARK SPRAYERS

## SKID TYPE

WITH 18-20 G. P. M. PUMP — 400 OR 500 LBS. PRESSURE — 8 OR 14 HP ENGINE  
OR 12-15 G. P. M. PUMP — 600 LBS. PRESSURE — 14 HP ENGINE

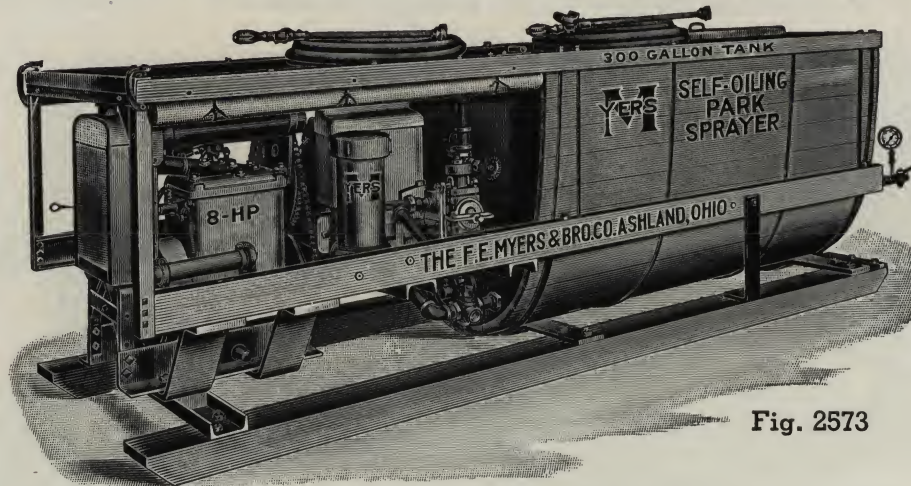


Fig. 2573

This Sprayer has all of the fine qualities found in other types of Myers Power Sprayers and is almost identical with the Silver Cloud Sprayer appearing on the preceding page except has flat top tank. Large tank sizes together with ample capacities and high pressure supplied by the Myers automatically con-

trolled Self-Oiling Quadruplex Power Spray Pump make it the ideal outfit for stationary service or for spraying ornamental and shade trees in municipalities, parks, cemeteries, institutional grounds, estates and similar places.

## SPECIFICATIONS

**PUMP**—Myers Self-Oiling Quadruplex Pump 18-20 GPM capacity at 400 or 500 lbs. and 12-15 GPM capacity at 600 lbs., depending on HP of Engine used and cylinder size. Perfect and Continuous Lubrication. Efficient, Economical and Dependable. Long years of satisfactory service assured. For complete description of Pump see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in suction line, easily cleaned out. See Fig. 3186, Page 298.

**ENGINE**—8 HP, No. 8R, Fig. 3168, 2 Cylinder, Radiator cooled, Variable Speed with Magneto.

14 HP, No. 14R, Fig. 3169, 4 Cylinder, Radiator Cooled, Variable Speed with Magneto and Circulating Pump.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive.

**CAB**—Wood Deck over engine with Canvas Side Curtains.

**FRAME**—All Steel, Arc-Welded.

**SKIDS**—4"x6" Hard Wood.

**DIMENSIONS**—Width 42". Height, 300 Gallon Tank 41", 400 gallon tank 51".

Length—121" with 8 HP Engine, 129" with 14 HP Engine.

**ACCESSORIES INCLUDED IN PRICES**—Two 50 ft. Leads  $\frac{1}{2}$ " Myers High Pressure Spray Hose complete with Fittings, Two No. 13 Guns (Fig. 3153 Ball Bearing Hose Swivels on Sprayers for 600 lbs. pressure), Two Cut-offs, Pressure Gauge, Tool Box.

**EXTRAS**—No. 156, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 20 Gallon Pump. Wt. 60 lbs.

..... PUWME, add.....

No. 155, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 15 Gallon Pump. Wt. 54 lbs. PANYU, add.....

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Tank Gals.	Weight Pounds	CODE	Price
A727-4O3	740X	18-20	400 lbs.	8 HP	300	2070	PVOUW	.....
A727-5O3	740X	18-20	500 lbs.	14 HP	300	2240	PVOVU	.....
A727-4O4	740X	18-20	400 lbs.	8 HP	400	2160	PVOYO	.....
A727-5O4	740X	18-20	500 lbs.	14 HP	400	2160	PVPIU	.....
A727-6O3	3915	12-15	600 lbs.	14 HP	300	2240	PVRAI	.....
A727-6O4	3915	12-15	600 lbs.	14 HP	400	2330	PVREA	.....

REPAIRS: See Pages 214 to 215, 219 to 221, 243 and 249 to 250, No. R40 Repair Catalog



# MYERS POWER SPRAYERS

## SKID TYPE

WITH 12-15 G. P. M. PUMP — 400 OR 500 LBS. PRESSURE — 6 OR 8 HP ENGINE  
OR 10-12 G. P. M. PUMP — 400, 500 OR 600 LBS. PRESSURE — 4-5, 6 OR 8 HP ENGINE

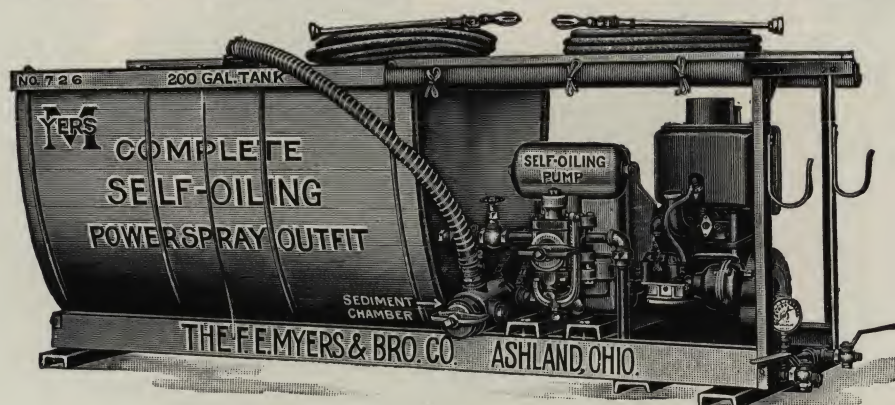


Fig. 2572

A Skid type sprayer for mounting on automobile or truck chassis or on horse drawn wagons. Also used as a stationary outfit. It is one of the most satisfactory sprayers of its type that we have ever manufactured, and we recommend it for a wide variety of uses.

Myers Self-Oiling Duplex or Triplex Power Spray Pumps with full automatic control are regular equip-

ment. These pumps have stood the test of time and their performance records in orchards as well as in custom spraying, the country over, are a revelation in economy and efficiency.

Where a sprayer of this type and capacities of 10 to 15 gallons per minute at pressures up to 600 pounds is desired this sprayer will satisfy every requirement.

## SPECIFICATIONS

**PUMP**—Myers Self-Oiling Triplex Pump 12-15 GPM capacity at 400 or 500 lbs., or 10-12 GPM capacity at 600 lbs. depending on HP of Engine used and cylinder size. Myers Self-Oiling Duplex Pump 10-12 GPM capacity at 400 or 500 lbs. depending on HP of Engine used. For description see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER** — Mounted in suction line, easily cleaned. See Fig. 3186, Page 238.

**ENGINE**—4-5 HP, No. 5A, Fig. 3166, Roller Bearing, 1 Cylinder Vertical, Air Cooled, Variable Speed with Magneto.

6 HP, No. 6A, Fig. 3166, Roller Bearing, 1 Cylinder Vertical, Air Cooled, Variable Speed with Magneto.

6 HP, No. 6R, Fig. 3168, Roller Bearing, 2 Cylinder Vertical, Radiator Cooled, Throttle Governed, Variable Speed with Magneto.

8 HP, No. 8R, Fig. 3168, Roller Bearing, 2 Cylinder Vertical, Radiator Cooled, Throttle Governed, Variable Speed with Magneto.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive.

**CAB**—Wood Deck over engine with Canvas Side Curtains.

**FRAME**—All Steel, Arc-Welded.

**DIMENSIONS**—No. 723 Series, Length 107", Height 36", Width 42".

No. 726 Series, Length 98", Height 36", Width 42".

**ACCESSORIES INCLUDED IN PRICES**—Two 50 ft. Leads  $\frac{1}{2}$ " Myers High Pressure Spray Hose complete with Fittings, Two No. 13 Guns (Fig. 3153 Ball Bearing Hose Swivels furnished on Sprayers for 600 lbs. pressure), Two Cut-offs, Pressure Gauge.

**EXTRAS**—No. 153, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 12 Gallon Pump. Wt. 51 lbs. ....

..... PAMIC, add. ....

No. 155, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 15 Gallon Pump. Wt. 54 lbs. PANYU, add. ....

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Tank Gals.	Weight Pounds	CODE	Price
A723-4O2	742X	12-15	400 lbs.	6 HP Radiator Cooled	200	1480	PVOOI	.....
A723-5O2	742X	12-15	500 lbs.	8 HP Radiator Cooled	200	1480	PVOSA	.....
A723-6O2	3912	10-12	600 lbs.	8 HP Radiator Cooled	200	1480	PVOTY	.....
A726-4O2	700X	10-12	400 lbs.	4-5 HP Air Cooled	200	1380	PVOED	.....
A726-5O2	700X	10-12	500 lbs.	6 HP Air Cooled	200	1380	PVOIV	.....

**REPAIRS:** See Pages 213, 215, 219 to 221, 243, and 249 to 250, No. R40 Repair Catalog

SPRAY  
ACCESS.  
POWER  
WASHERS  
HAY  
TORE L.  
DOOR H.  
ENG.  
DATA  
INDEXES



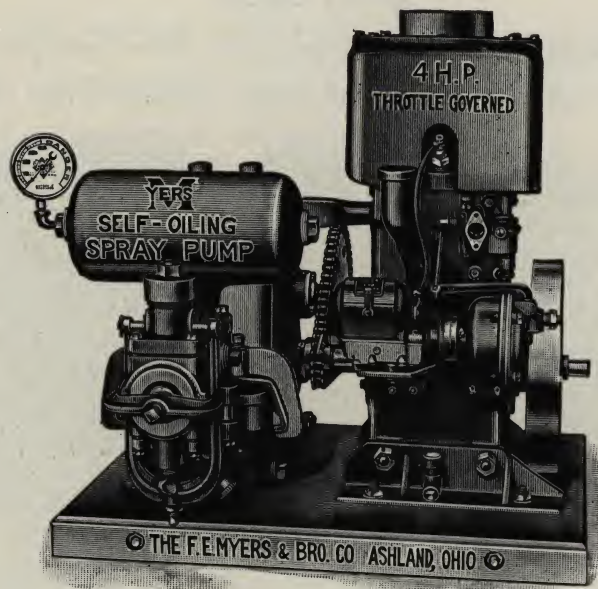


Fig. 2582

## THE MYERS SELF-OILING SPRAY UNIT

For Replacement of the Power Plant on Old Style Spray Rigs

A New Departure in Spray Pumps	Sand, Dust and Dirt Proof
High Pressure Pump	350 to 500 Pounds
Automatically Controlled	Machine Cut Gear
2½ x 2½" Duplex Pump	Back Geared 5 to 1 Chain Driven

**CAPACITY:** 8 to 12 Gallons per Minute. See pages 246-251

Fig. 2582 illustrates a complete high power spray unit, consisting of No. 700X Self-Oiling Spray Pump and a 4-5 H. P. Engine mounted on a 24" x 30" Plank Sub-Base reinforced with Through Bolts. The object of this unit is to enable the user of an old

Style Spray Rig of other make to replace his worn out Power Plant with an up-to-date High Pressure Pump and a good Engine. The Unit is Chain Driven and equipped with Myers Unloading Pressure Control Valve with By-Pass built in.

For complete description of Self-Oiling Pump see Pages 246-251

**All Prices for these Spray Units INCLUDE Myers Pressure Control Unloading Valve built in, Fig. 1304 Double Cut-Off for discharge, Fig. 2788 Strainer and Pressure Gauge.**

### PRICE LIST, Represented by Fig. 2582

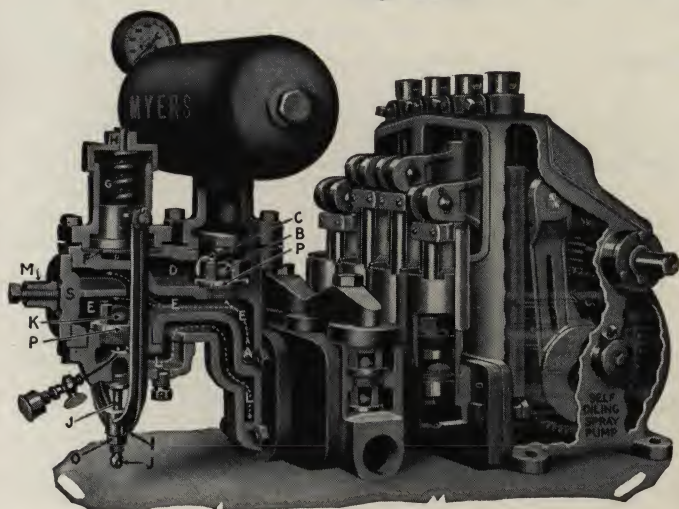
No. 99X, Myers Self-Oiling Spray Unit, including No. 700X Spray Pump, Roller Chain and Sprockets, mounted on reinforced Plank Base 24" x 30", equipped as above. 4-5 H. P. Hopper Cooled Engine Included in This Price. Wt. 620 Lbs. ....	Price PIFIR .....
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REPAIRS: See Pages 213, 219 to 221, No. R40 Repair Catalog





Fig. 3165



## Perfect and Continuous Lubrication

PATENTED

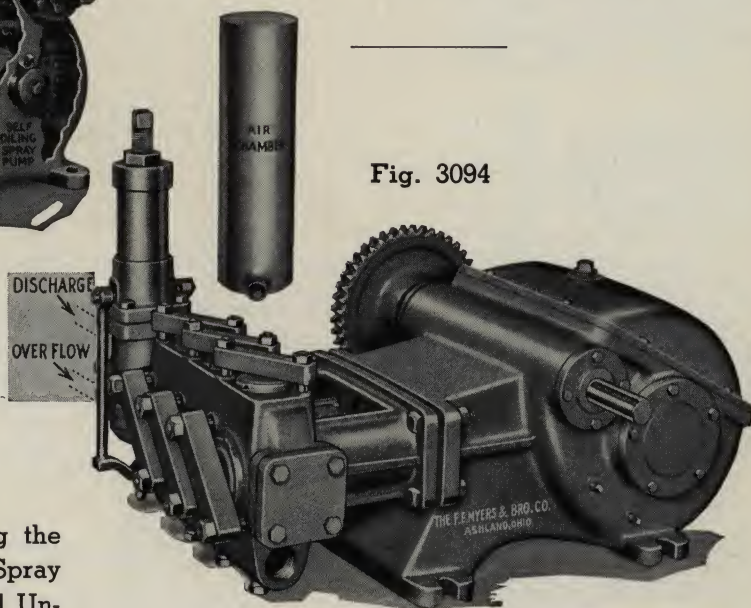
The Myers Stationary Plant is made by using the Myers Quadruplex or Bulldozer Self-Oiling Spray Pump equipped with a Pressure Regulator and Unloading Valve, Air Chamber, Pressure Gauge, High Speed Engine with Magneto, Radiator and Fan Cooled, Chain, Sprockets and Gas Tank, all mounted on a substantial all steel Sub-Base, complete except Mixture Tank and Agitator.

The Myers Stationary Self-Oiling Spraying Plant as made for use where it is desired to do away with the transportation of Portable Spray Rig through the orchard which some fruit growers believe damages the wide-spreading low headed trees and also interferes with cover crops.

The Stationary Sprayer can be located at any convenient place and enclosed in a building especially for that purpose. This building also contains the supply tank for spray mixture which can be of any size desired, usually from 1,000 to 2,000 gallons, depending upon the size of the orchard. The Pump takes the spray mixture from the tank and forces it through the pipe lines running under ground through the

## MYERS SELF-OILING PUMPS USED ON STATIONARY SPRAY PLANTS

Fig. 3094



orchard, with vertical outlets located about 160 ft. apart to which lines of spray hose can be attached (usually 100 feet of hose is used) enabling the operator to spray 16 trees from each of these outlets when trees are spaced 40 ft. apart. If the Pump is located at one end or side of the orchard the pipe line would be placed between the second and third rows of trees, the next line between the sixth and seventh rows, etc.; the vertical openings placed along these pipes at a similar distance in the opposite direction—or the Pump can be placed in the center of the orchard which would reduce the friction of the water in passing through the long line of pipe as when located at one side or end. Liberal size line pipe should be used, but not less than 1" except at extreme ends where  $\frac{3}{4}$ " can be used, and care should be taken in the installation so that all pipes can be easily drained for flushing and to prevent freezing.

For Complete Description of Self-Oiling Pumps see Pages 236-240 and 246-251.

Prices on Application





# THE STATIONARY SPRAY PLANT

## Summary

Two Systems of Piping Are in Common Use, the Dead-End System and the Return System. In Either, the Pipes May Be Underground, on the Surface, or Overhead

Fig. 2410

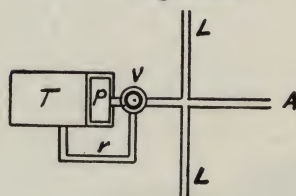


Fig. 2410. Dead-End System. The overflow returns to the tank, as shown by (r). No return pipes are used.

Fig. 2411

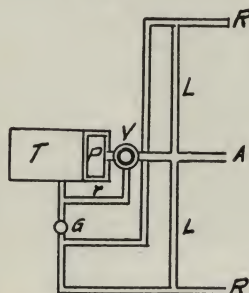


Fig. 2411. Diagram showing return system with the relief valve in the pump main (v). The overflow material returns directly to the tank from the pump without going through the piping system.

Fig. 2412

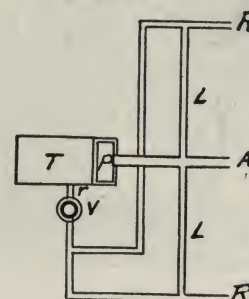


Fig. 2412. Diagram showing Return System with the relief valve (v) in the return pipe. Overflow material passes through the system before passing through the relief valve.

Courtesy Washington Agricultural Experimental Station

The Dead-End System is most generally used, the Return System being too expensive to install. The Main line should be placed so as to keep the laterals as short as possible.

**Location**—The Spray Plant should be located as near the source of water as practicable. Accessibility by team or truck must be considered.

**The Location of Faucets or Hose Connections** is a matter of personal preference. It depends considerably on the spacing of the trees and the length of hose that can be handled without excessive exertion.

**Installation Costs**—The initial cost of installation may be somewhat greater than a Portable Spray Rig, but it costs less to operate and the time required for spraying is considerably reduced.

**High Pressure** (above 300 pounds) is not necessarily essential to effective spraying, although it does add to the assurance of effectiveness. Any of the higher pressures are always being paid for by the owner throughout the life of the plant in wear and tear on the machinery, cost of fuel, oil, etc.

## LOCATION OF PLANT

Whenever possible to do so the Plant should be located near the center of the orchard or at one side near the center, the object being to eliminate long lengths of main line pipe and reduce friction in water passing through these lines, bearing in mind always that in hilly ground it is to your advantage to place the Plant on high ground as in that location you have

no loss of Pressure at the Gun. In fact, you gain as compared to placing the Plant at a low point and have to force the Spray Mixture up the hill to higher ground, as each foot of elevation against which you are pumping water means a reduction of  $\frac{1}{2}$  pound pressure at the Gun, whereas each foot of fall increases the pressure accordingly.

## METHODS OF INSTALLING PIPE

Pipes are not always placed *permanently* at the time the outfit is installed. Laying them on the ground in a temporary manner for the first season is found to be a good idea, so that the best location for the faucet or outlets may be found for this particular orchard, after which the trenches can be dug for burying the pipe.

**Three Methods are Used:** On top of the Ground, Underground, or Suspended in the Trees. Many orchardists prefer the Underground system 12 to 18"

deep, especially where the orchard is to be cultivated, and for other orchard operations.

**The Main line**, 1" or larger pipe, is located through the center of the orchard, or through a section of larger orchards, keeping in mind always that the laterals should be as short as possible. The  $\frac{3}{4}$ " pipe laterals are run from the main line to reach the different parts of the orchard with the faucets or hose connections located near the body of a tree by means of short laterals.





**The Overhead System:** Suspending the pipes in the tree tops is done by using a large Screw Eye, attaching it to one of the larger limbs or to a prop high enough from the ground for the passing underneath of Trucks, Teams, etc. The pipes are attached to these Screw Eyes by heavy wire. This permits the tree to sway with the wind without chafing against the pipe. This Overhead system has the advantage of being accessible at all times and at all points. Leaks are easily located, etc. By using care in installation it can be made very easy to drain.

**Drainage:** In any system determined on, it must be kept in mind that ample provision must be made for drainage of the pipes, both for flushing or to prevent freezing.

**Size of Pipes:** As to size of Pipes many orchardists prefer to use 1" main line instead of larger, claiming that the water passes through this size pipe at a higher speed preventing sediment from settling although it will require higher pressure at the pump owing to friction of water passing at the higher speed.

The Pipe should be Wrought Iron Galvanized, reamed at each end.

No matter what system or method is adopted, plenty of pipe unions should be used so that repairs on any part of the line may be made without it being necessary to remove a long line to do it. A union should be placed in the main line at each lateral and

always on the same side of the lateral. By this is meant that if the first union is placed *between the first lateral* and the pump, then the second union must be placed in the same position relative to its lateral. A Gate Valve should be placed in the main line just beyond each lateral and also in each long lateral near the main line so as to be able to cut off the flow of water at any point desired.

**Faucets or Hose Connections:** Ordinary cut off valves are frequently used just ahead of the Hose Connection. You will find a considerable advantage in using a Stop and Waste Valve, as this relieves the pressure on hose and gun immediately when stop and waste are closed. You do not have to return to the gun for this purpose.

**Locating or Spacing Faucets or Hose Connections:** This depends very greatly upon the spacing of the trees, and the length of hose to be used. Naturally, the longer the hose the fewer faucets. As a general rule, 80 feet of hose is very practical, as the labor in dragging a longer length is objectionable and very tiring, resulting in poor spraying especially in the latter part of the day.

**Plan of Spraying:** No matter where the spraying starts or how it is done, some systematic way of doing it should be followed, as *all of the trees must be sprayed—none missed*. A plan should be worked out to reduce to the minimum the amount of walking and dragging of the hose.

Fig. 2413

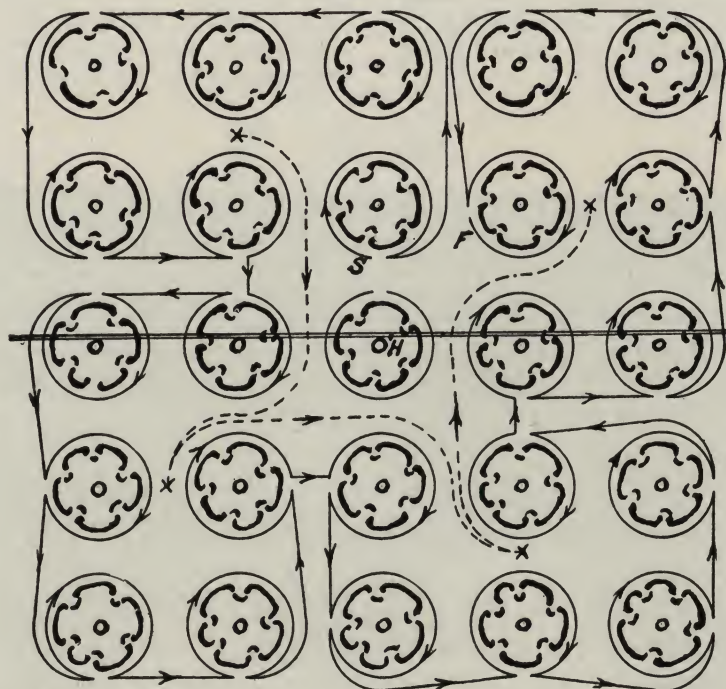


Fig. 2413. System of spraying. This system was practiced by several orchardists and worked quite satisfactorily. The dotted line shows the path followed by the middle of the hose while the solid line shows that of the gun. Begin at S.

Courtesy Washington Agricultural Experiment Station  
For full and complete information ask us for General Bulletin No. 212, Feb. 1927, issued by Washington Agricultural Experiment Station, Pullman, Washington.





## MYERS PERFECTION SPRAY BOOM

The Myers Perfection Spray Boom is different in design than many other spray booms. Strongly constructed, all parts are securely Arc-Welded, instead of being secured by bolts or rivets.

Many attractive features make the Myers Perfection outstandingly popular.

The Wing Extensions are held in position by the Chain Supports which carry the entire weight of the Boom, yet if the Wings should come in contact with the fence or any other fixed object, they fold backward on an Automatic Hinge to prevent breakage, and immediately return to their original position. The weight of the Boom carried on the Chains causes this action. The Wings also fold horizontally for transportation or storage.

The Lever, enables the operator to raise the Boom and Nozzles when turning at end of Row or for different height plants. A separate Chain Adjustment is provided for extreme changes. The Boom is carried on Chains and can be quickly raised or lowered to locate the Lower Nozzles at any point, from the ground line for small plants, to 16" above the ground line for larger plants. This is accomplished by dropping or taking up a few links in the Chain, no Bolts to remove. The Overhead Nozzles can be located from 25" to 41" above the ground. When desired to use as a complete Overhead Spray, the Pendants and Lower Nozzles can be removed and Overhead Nozzles inserted where Pendants were removed, which will cover all plants from the top only. See Fig. 2729.

Flexible Steel Pendants, carrying the Lower Nozzles, are adjustable to different width rows, 28" to 36". No small pipes to break or joints to leak. These Pendants are removable.

Three Nozzles to Each Row, one Nozzle on each side of the Row at or near the ground line, discharging upward at 30° covering the under side of the leaves and stems. The other Nozzle is located directly over the row covering the upper side of the leaves. Every part of the plant is thoroughly covered with spray, (See Fig. 3263). It is agreed that spraying the small plant when it is from 3" to 6" in height is of the greatest importance. The Myers Perfection Boom is the only one that will do it properly, owing to the Flexible Pendants, Lever and Chain Adjustment.

Hose versus Pipe. The Spray Solution passes through High Pressure Hose from the Strainer Screen to the Nozzles, no small pipes to break, rust or corrode and clog the Nozzles, no loose or leaky joints.

Nozzles—Fig. 3215 Male End, with Stainless Steel Whirl Plate and Spray Disc, and Brass Cone Screen, adjustable to any width row from 28" to 36" and to any height desired.

**DIMENSIONS**—4 Row Boom is 12'5" over-all width, 6 Row 18'3" and 8 Row 24'7". The end sections can be folded for transportation or storage. When the Boom is folded, the entire width of Sprayer is 85", except 8 Row which is 9'3".

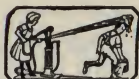
Fig. 3263



### THE MYERS WAY

Three nozzles to each row—covers the plant completely.





# MYERS PERFECTION SPRAY BOOM

## *Passing an Obstruction*

Fig. 2730



Extension Wings Hinged, Cannot be Broken by Coming in Contact with a Fixed Object

For Transportation or Storage the Extension Wings Fold to Same Width as Sprayer

Fig. 2730 illustrates the Myers Sprayer with Perfection Boom as passing any obstruction such as a Tree, Stump, Fence Post or any fixed obstacle. The Wings, when coming in contact with the fixed object, fold backward on an **Automatically Operated Hinge**, which, when the object is passed, returns

the Wing to its natural position (see Fig. 2736). The entire weight of the Boom being carried on the Chains which are attached to the Wings causes this positive action,

The Operator has full control of the Boom and Nozzles at all times by means of the Lever.

### COMPLETE COVERAGE

At Every Spraying  
Is Best

### MYERS PERFECTION BOOM

Does Just That

See Fig. 3263.

Fig. 2736



Fig. 2736 Illustrates the Myers Sprayer Equipped with Perfection Boom in Operation

The Perfection Boom is made in three sizes, 4, 6, and 8 Row, equipped with Adjustable Flexible Pendants, **three Nozzles to each Row**, which cover the entire plant, upper and under sides of all leaves and the stems at each spraying. By removing the Pendants and replacing them

with additional Overhead Nozzles, the entire top surfaces of the plants are covered. This overhead spraying may be desired when the Potato Vines or Tops have fallen, or in killing Weeds, Spraying Alfalfa, Small Grain, Melons, Etc.





# MYERS PERFECTION SPRAY BOOM

PATENTED

When Ordering Give Catalog Number of Sprayer on Which Boom Is to Be Used

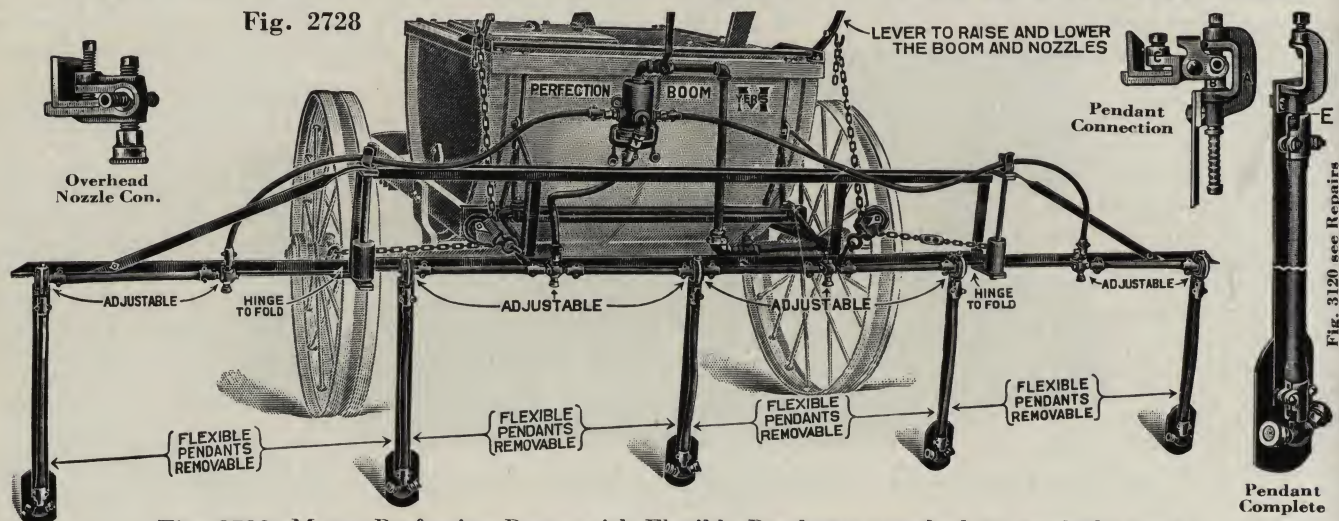


Fig. 2728, Myers Perfection Boom with Flexible Pendants attached as regularly used.

## PRICE LIST

	Price
No. 12, 4 Row Perfection Boom complete, Wt. 160 Lbs. (Sediment Chamber Not Included) PIGJO	.....
No. 13, 6 Row Perfection Boom complete, Wt. 190 Lbs. (Sediment Chamber Not Included) PIGMI	.....
No. 14, 8 Row Perfection Boom complete, Wt. 290 Lbs. (Sediment Chamber Not Included) PIGOD	.....

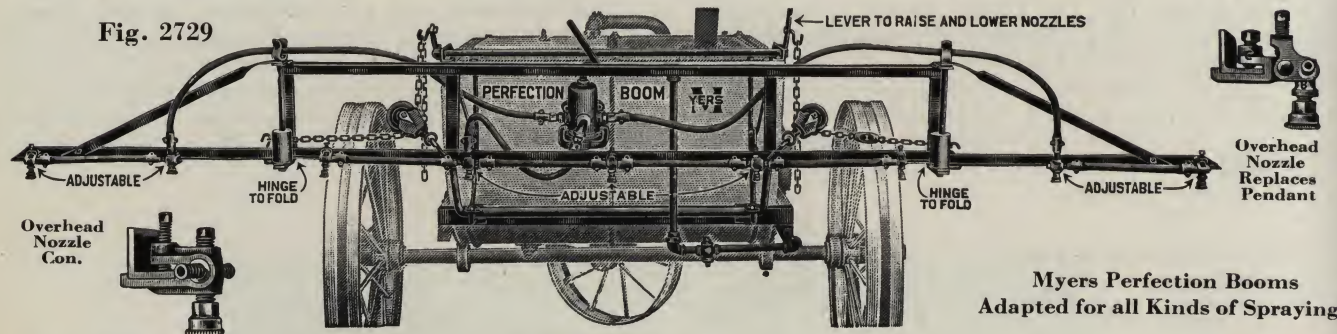


Fig. 2729, Myers Perfection Boom with Pendants removed and equipped with Overhead Nozzles only. (Nozzles can be spaced 14-15-16-17 or 18 inches apart) as used for spraying potatoes or other rowed crops after the tops or vines have fallen flat—also as used for killing weeds, spraying alfalfa, grain, melons, celery, tomatoes, etc.

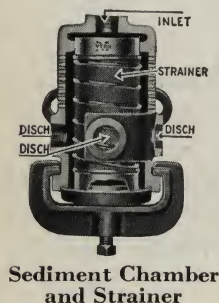
## PRICE LIST

	Price
No. 15, 4 Row Perfection Boom complete, Wt. 135 Lbs. (Sediment Chamber Not Included) PIHNE	.....
No. 16, 6 Row Perfection Boom complete, Wt. 155 Lbs. (Sediment Chamber Not Included) PIHOC	.....
No. 17, 8 Row Perfection Boom complete, Wt. 230 Lbs. (Sediment Chamber Not Included) PIHPA	.....

Any Myers Perfection Boom can be changed into a Boom like Fig. 2729 by removing the Pendants and replacing them with Overhead Nozzles—Use Nozzles from Pendants.

Sediment Chamber not included with Booms as priced.

**Sediment Chamber and Strainer**—used on all Sprayers. This Strainer is located in the Discharge Line between the Pump and the Nozzles. The Strainer is a very fine, perforated Brass,  $2\frac{1}{2}'' \times 4''$ , enclosed in the Sediment Chamber, which is  $3\frac{1}{4}'' \times 6''$ . Has ample space for sediment to collect in the lower part and have the upper part of the Strainer clear for the mixture to pass to the Nozzles. Can be instantly dismantled for cleaning by loosening the set screw and removing the yoke at the one end.



**REPAIRS:** See Pages 241-242 and 256, No. R40 Repair Catalog

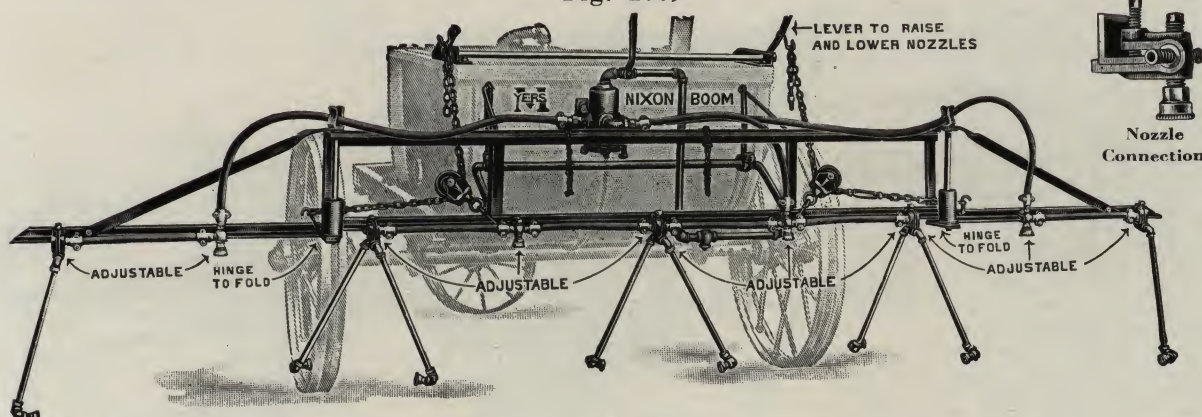




# THE MYERS NIXON SPRAY BOOM

When Ordering Give Catalog Number of Sprayer on Which Boom It Is to Be Used

Fig. 2759



The Myers Nixon Boom has the same frame construction, lever control and pendant connections as the Myers Perfection Boom; otherwise, the Nozzle arrangement is in accordance with the Nixon idea, except that we **eliminate all horizontal pipes**, using **hose instead**—no rust or sediment. Furthermore, on the Myers Nixon Boom, by **removing the Vertical Pipe Pendants** and replacing them with the Nozzles, as shown in Fig. 2760, you have a real Overhead Spray for general field work where Top Covering only is required.

Myers Perfection Booms are regular equipment on all sprayers shown on Pages 280-282, 286 and 292. Myers Nixon Type Boom will be furnished at same price when specified on order. Parts to change the Myers Perfection Boom to Nixon Type Boom will be furnished when specified on order at following addition to list prices of booms or sprayers.

4 Row . . . . ., 6 Row . . . . ., 8 Row . . . . .  
This gives the grower the benefit of both types of Booms at only slight additional cost.

## PRICE LIST, Fig. 2759

No.	Description	Price
No. 18X,	4 Row Myers Nixon Boom, complete, (Sediment Chamber Not Included)	PIKCY
	Wt. 160 lbs. . . . .	
No. 19X,	6 Row Myers Nixon Boom, complete, (Sediment Chamber Not Included)	PIKHO
	Wt. 200 Lbs. . . . .	
No. 20X,	8 Row Myers Nixon Boom, complete, (Sediment Chamber Not Included)	PIKIM
	Wt. 280 Lbs. . . . .	

Fig. 2760

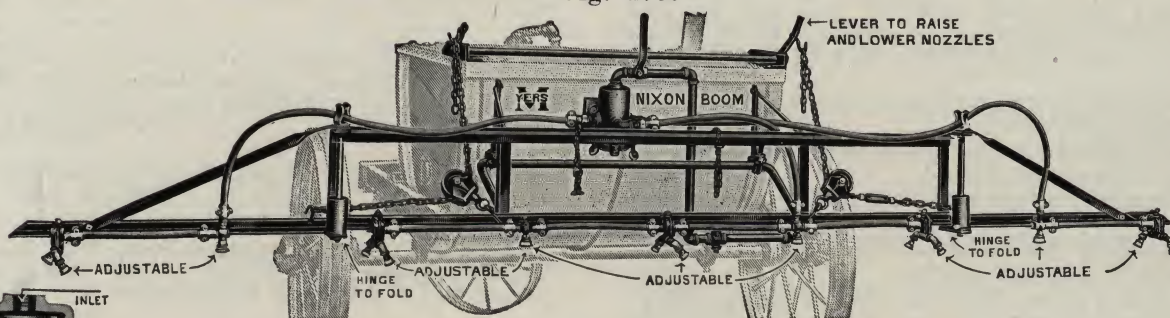
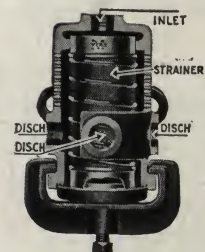


Fig. 2760 Illustrates the Boom as Changed for Overhead Spraying Only.

**Sediment Chamber and Strainer**—used on all Sprayers. This Strainer is located in the Discharge Line between the Pump and the Nozzles. The Strainer is a very fine Perforated Brass Tube,  $2\frac{1}{2}'' \times 4''$ , enclosed in the Sediment Chamber, which is  $3\frac{1}{4}'' \times 6''$ . Has ample space for sediment to collect in the lower part and have the upper part of the Strainer clear for the mixture to pass to the Nozzles. Can be instantly dismantled for cleaning by loosening the set screw and removing the yoke at the lower end.



Sediment Chamber and Strainer

REPAIRS: See Pages 241 and 242, No. R40 Repair Catalog

SPRAY ACCESS. POWER WASHERS. HAY TOOLS. 100R H. TORE L. ENG. DATA. INDEXES.



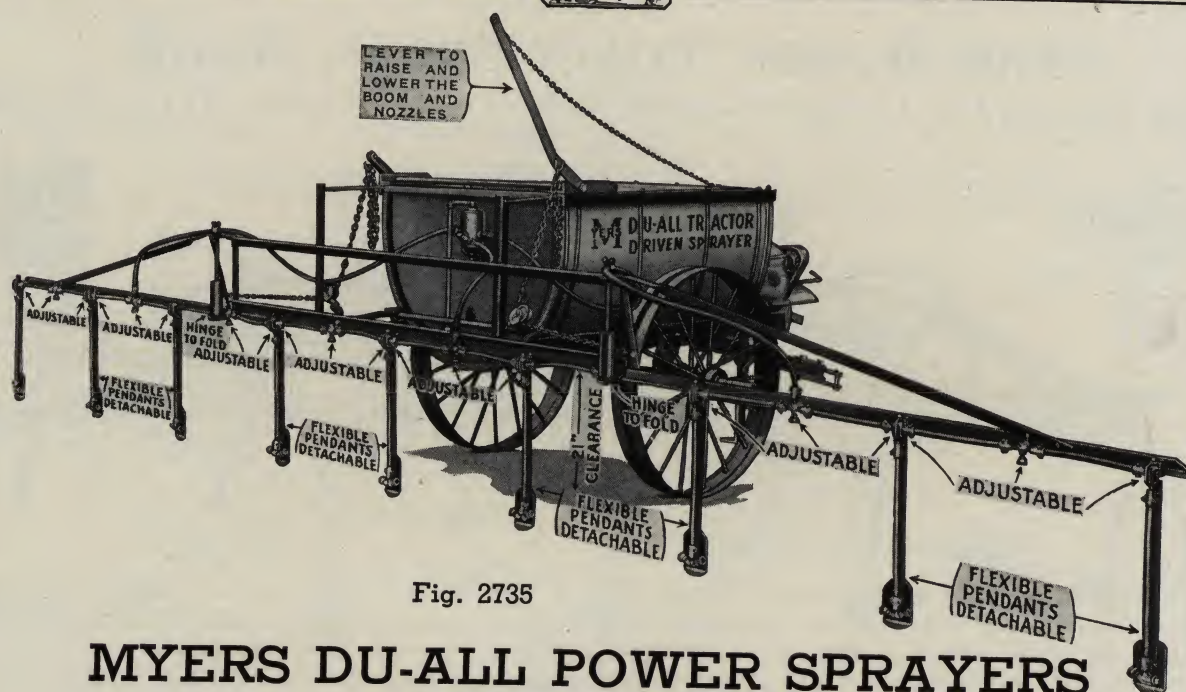


Fig. 2735

## MYERS DU-ALL POWER SPRAYERS

### TRACTOR DRIVEN WITH EIGHT ROW SPRAY BOOM

Myers offers this big, powerful, 8 Row Sprayer, with wide coverage for rapid spraying of extensive acreage. Equipped with the Myers Self-Oiling Quadruplex, 4 Cylinder, Vertical Type Pump it offers ample capacity and pressure to insure thorough low cost application of spray materials.

Growers appreciate the ease with which it can be adjusted and

#### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Quadruplex Pump 18-20 GPM capacity at 400 to 500 lbs. For description see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when nozzles are not operating. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned. See Fig. 2515, Page 298.

**DRIVE**—Roller Chain Pump Drive with Steel Guard. Complete Power Shaft Assembly with two Universal joints between Sprayer and Tractor. Safety Shield Assembly over Power Shaft between Sprayer and Tractor.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Chain Drive.

**FRAME**—All Steel, Arc-Welded.

**AXLE**—Steel, 2 1/4" on 300 Gallon Tanks, 2 1/2" on 400 Gallon Tanks.

**WHEELS**—Roller Bearing—Steel 44" x 6". Rubber Tire 7.50-28—6 Ply. Interchangeable.

**BOOM**—8 Row Myers Perfection Flexible Pendant Type with 3 Nozzles to each row. Fig. 2759 Pipe Pendant Type optional.

**BOOM ADJUSTMENT**—Top Nozzles can be set from 25" to 41" and Lower Nozzles from ground level to 16" above ground level.

handled in the field. Large capacity, round bottom, corrosion proof tanks—wide tires—Self-Oiling pump with built-in pressure regulator—sturdy Arc-Welded all steel chassis construction—are but a few of the more important features which qualify it for efficient and economical service in the largest field and row crop operations.

**DIMENSIONS**—Tread Adjustable 56" to 72". Width Boom Open 24'7", Folded 9'5". Row Adjustment 28" to 36". Clearance 21". Height to Top of Tank, 300 Gallon Sprayers 61", 400 Gallon Sprayers 65". Length, including Draw Bar, 300 Gallon Tank 142", 400 Gallon Tank 150".

**DRAW BAR ADJUSTMENT**—10" to 25" above ground level.

**SPRING HITCH**—Is furnished as standard equipment.

**EXTRAS**—No. 156, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 20 Gallon Pump. Wt. 60 lbs. .... PUWME add. ....

Vine Lifter, with break pin hooks not illustrated. .... PELEP add. ....

For omission of Safety Shield over Power Shaft Assembly between Sprayer and Tractor (where tractor is not equipped for attaching Standardized Safety Shield) .... deduct. ....

**SPECIFY MAKE AND MODEL OF TRACTOR WHEN ORDERING.**

Catalog Number	Pump Number	Pump GPM	Pressure	Power Required	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
1099-STFR3	740X	18-20	400-500 lbs.	8-12 HP	8	7.50-28 Rubber	300	2385	PUWHO	.....
1099-STFR4	740X	18-20	400-500 lbs.	8-12 HP	8	7.50-28 Rubber	400	2525	PUWIM	.....
1099-STFS3	740X	18-20	400-500 lbs.	8-12 HP	8	44" x 6" Steel	300	2350	PUWBA	.....
1099-STFS4	740X	18-20	400-500 lbs.	8-12 HP	8	44" x 6" Steel	400	2490	PUWCY	.....

**REPAIRS:** See Pages 213-215, 219-221, 228 and 245-247, No. R40 Repair Catalog



# MYERS DU-ALL POWER SPRAYERS

## TRACTOR DRIVEN

### WITH SIX ROW SPRAY BOOM

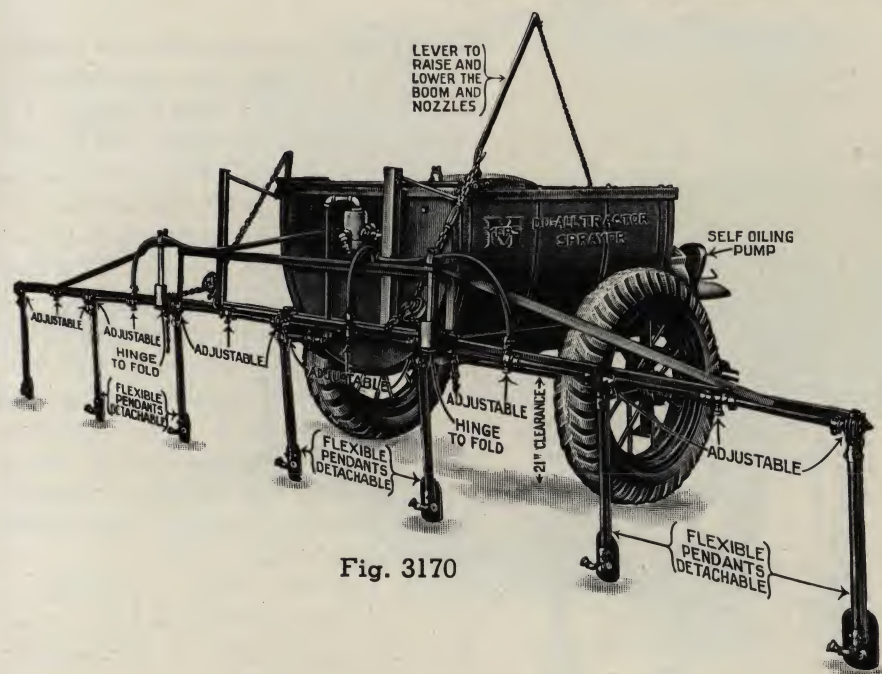


Fig. 3170

The Myers Triplex Self-Oiling Tractor Powered Sprayer offers tractor owners with extensive acreage of row or field crops, as well as an orchard to spray, an opportunity to have full protection for all crops at very low investment cost. Has the capacity and pressure to handle Spray Boom, or hose and guns for tree spraying.

A real heavy duty model—sprays six rows at a time—with ample power and pressure to provide the proper atomization of spray materials required for thorough application for complete control. Has adjustable Boom with hinged wings which swing and prevent breakage when coming in contact with fixed objects; easily accessible sediment chamber which can be quickly cleaned and the famous Myers Triplex Self-Oiling, sand, dust and dirt proof pump. This all-purpose Tractor Powered Sprayer has all the latest refinements and improvements and is recommended for commercial acreages.

## SPECIFICATIONS

**PUMP**—Myers Self-Oiling Triplex Pump 12-15 GPM capacity at 400-500 lbs. For description see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when nozzles are not operating. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned. See Fig. 2515, Page 298.

**DRIVE**—Roller Chain Pump Drive with Steel Guard. Complete Power Shaft Assembly with two Universal joints between Sprayer and Tractor. Safety Shield Assembly over Power Shaft between Sprayer and Tractor.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Chain Drive.

**FRAME**—Angle and Channel Steel, Arc-Welded.

**AXLE**—Steel, 2 $\frac{1}{4}$ " on 200 and 300 Gallon Tanks, 2 $\frac{1}{2}$ " on 400 Gallon Tanks.

**WHEELS**—Roller Bearing—200 Gallon Tank Sprayers, Steel 44" x 5". Rubber Tire 7.50-28—4 Ply. 300 and 400 Gallon Tank Sprayers, Steel 44" x 6", Rubber Tire 7.50-28—6 Ply.

**BOOM**—6 Row, Myers Perfection, Flexible Pendant Type with 3 Nozzles to each row. Fig. 2759 Pipe Pendant Type optional.

**BOOM ADJUSTMENT**—Top Nozzles can be set from 25" to 41" and Lower Nozzles from ground level to 16" above ground level.

**DIMENSIONS**—Tread Adjustable 56" to 72". Width Sprayer with Boom Open 18 $\frac{3}{4}$ ", Folded 85". Row Adjustment 28" to 36". Clearance 21". Height to Top of Tank 200 and 300 Gallon Sprayers 61", 400 Gallon Sprayers 65". Length including Draw Bar 200 Gallon Tank 124", 300 Gallon Tank 142", 400 Gallon Tank 150".

**DRAW BAR ADJUSTMENT**—10" to 25" above ground level.

**SPRING HITCH**—Furnished as standard equipment on 300 and 400 gallon sprayers.

**EXTRAS**—No. 155, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 15 Gallon Pump. Wt. 54 lbs.

Vine Lifter, with break pin hooks not illustrated.

PELEP add.....

If with Spring Hitch on 200 Gallon Sprayers instead of Plain Clevis,.....add.....

For omission of Safety Shield over Power Shaft Assembly between Sprayer and Tractor (where tractor is not equipped for attaching Standardized Safety Shield).....deduct.....

**SPECIFY MAKE AND MODEL OF TRACTOR WHEN ORDERING.**

Catalog Number	Pump Number	Pump GPM	Pressure	Power Required	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
1096-5TFR2	742X	12-15	400-500 lbs.	6-8 HP	6	7.50-28 Rubber	200	2100	PUVYG	.....
1096-5TFR3	742X	12-15	400-500 lbs.	6-8 HP	6	7.50-28 Rubber	300	2215	PUVZE	.....
1096-5TFR4	742X	12-15	400-500 lbs.	6-8 HP	6	7.50-28 Rubber	400	2360	PUWAC	.....
1096-5TFS2	742X	12-15	400-500 lbs.	6-8 HP	6	44" x 5" Steel	200	2035	PUVRU	.....
1096-5TFS3	742X	12-15	400-500 lbs.	6-8 HP	6	44" x 6" Steel	300	2185	PUVUO	.....
1096-5TFS4	742X	12-15	400-500 lbs.	6-8 HP	6	44" x 6" Steel	400	2325	PUVXI	.....

**REPAIRS:** See Pages 213-215, 219-221, 228 and 245-247, No. R40 Repair Catalog



# MYERS DU-ALL POWER SPRAYERS

## TRACTOR DRIVEN WITH FOUR ROW SPRAY BOOM

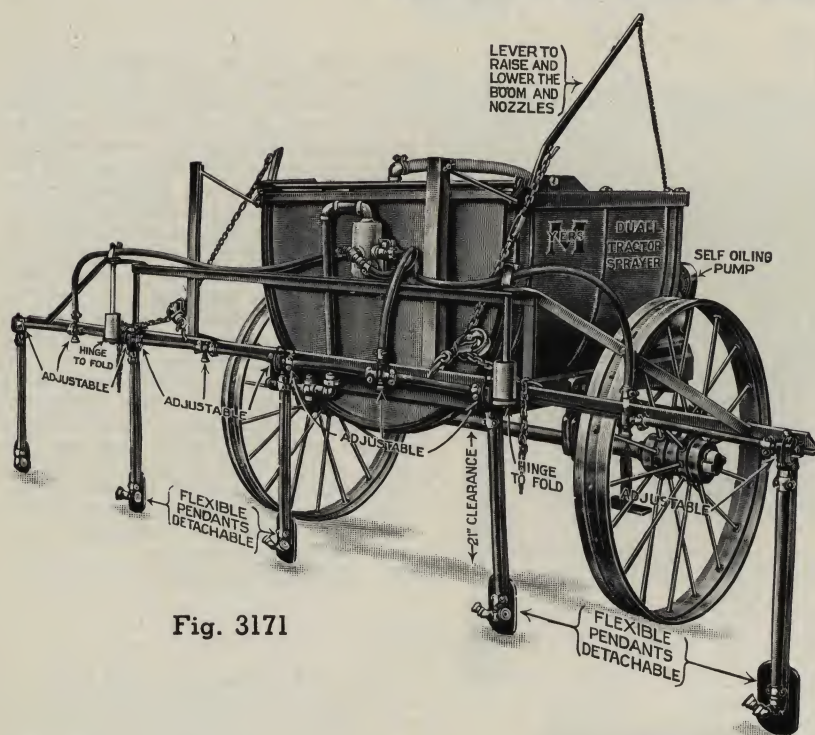


Fig. 3171

These Myers Sprayers afford the grower with a small Tractor the opportunity to have a dependable Myers Sprayer for power take-off operation. They are complete with Self-Oiling pump, tank, boom, steel or rubber tired wheels and all equipment ready for use, and deliver ample pressure and capacity for 4 row coverage.

Very popular with growers from the standpoint of real economy and efficiency. Tractor furnishes all of the power (no engine to buy)—operation costs are extremely low—spray job is rapid and thorough—spraying mixtures are economically applied—and initial investment is small.

They give the owner a feeling of security in knowing that he has a superior outfit unequalled for performance and profitable results.

### SPECIFICATIONS

**PUMPS**—Myers Self-Oiling Duplex Pump 10-12 GPM capacity at 400-500 lbs. and Myers Self-Oiling Jr. Bulldozer Pump 6-7 GPM capacity at 300 lbs. For description see Pages 246-251 and 268.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when nozzles are not operating. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned. See Fig. 2515, Page 298.

**DRIVE**—Roller Chain Pump Drive with Steel Guard. Complete Power Shaft Assembly with two Universal joints between Sprayer and Tractor. Safety Shield Assembly over Power Shaft between Sprayer and Tractor.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Chain Drive.

**FRAME**—All Steel, Arc-Welded.

**AXLE**—Steel, 2 1/4" in diameter.

**WHEELS**—Roller Bearing—Steel 44" x 5", Rubber Tire 7.50-28-4 Ply.

**BOOM**—4 Row Myers Perfection Flexible Pendant Type with 3 Nozzles to each row. Fig. 2759 Pipe Pendant Type optional.

**BOOM ADJUSTMENT**—Top Nozzles can be set from 25" to 41" and Lower Nozzles from ground level to 16" above ground level.

**DIMENSIONS**—Tread Adjustable 56" to 72". Width with Boom Open 12'5", Folded 85". Row Adjustment 28" to 36". Clearance 21". Height Over-all 61". Length 124" including Draw Bar.

**DRAW BAR ADJUSTMENT**—10" to 25" above ground level.

**EXTRAS**—Vine Lifter, with break pin hooks not illustrated. . . . . PELEP, add. . . . . No. 153, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. Wt. 51 Lbs. For 7 or 12 Gal. Pump. . . . . PAMIC, add. . . . .

If with Spring Hitch instead of Plain Clevis, add. . . . . For omission of Safety Shield over Power Shaft Assembly between Sprayer and Tractor (where tractor is not equipped for attaching Standardized Safety Shield) . . . . . deduct. . . . .

**SPECIFY MAKE AND MODEL OF TRACTOR WHEN ORDERING.**

Catalog Number	Pump Number	Pump GPM	Pressure	Power Required	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
WITH 10-12 GPM PUMP										
3912-5TFR2	700X	10-12	400-500 lbs.	4-6 HP	4	7.50-28 Rubber	200	1985	PUVIN	.....
3912-5TFS2	700X	10-12	400-500 lbs.	4-6 HP	4	44"x5" Steel	200	1910	PUVEV	.....
WITH 6-7 GPM PUMP										
3907-3TFR2	696	6-7	300 lbs.	2-3 HP	4	7.50-28 Rubber	200	1885	PUVPY	.....
3907-3TFS2	696	6-7	300 lbs.	2-3 HP	4	44"x5" Steel	200	1810	PUVOA	.....

**REPAIRS:** See Pages 213-215, 219-221, 228 and 245-247, No. R40 Repair Catalog



# MYERS DU-ALL JUNIOR POWER SPRAYERS

## TRACTOR DRIVEN

### WITH FOUR ROW SPRAY BOOM

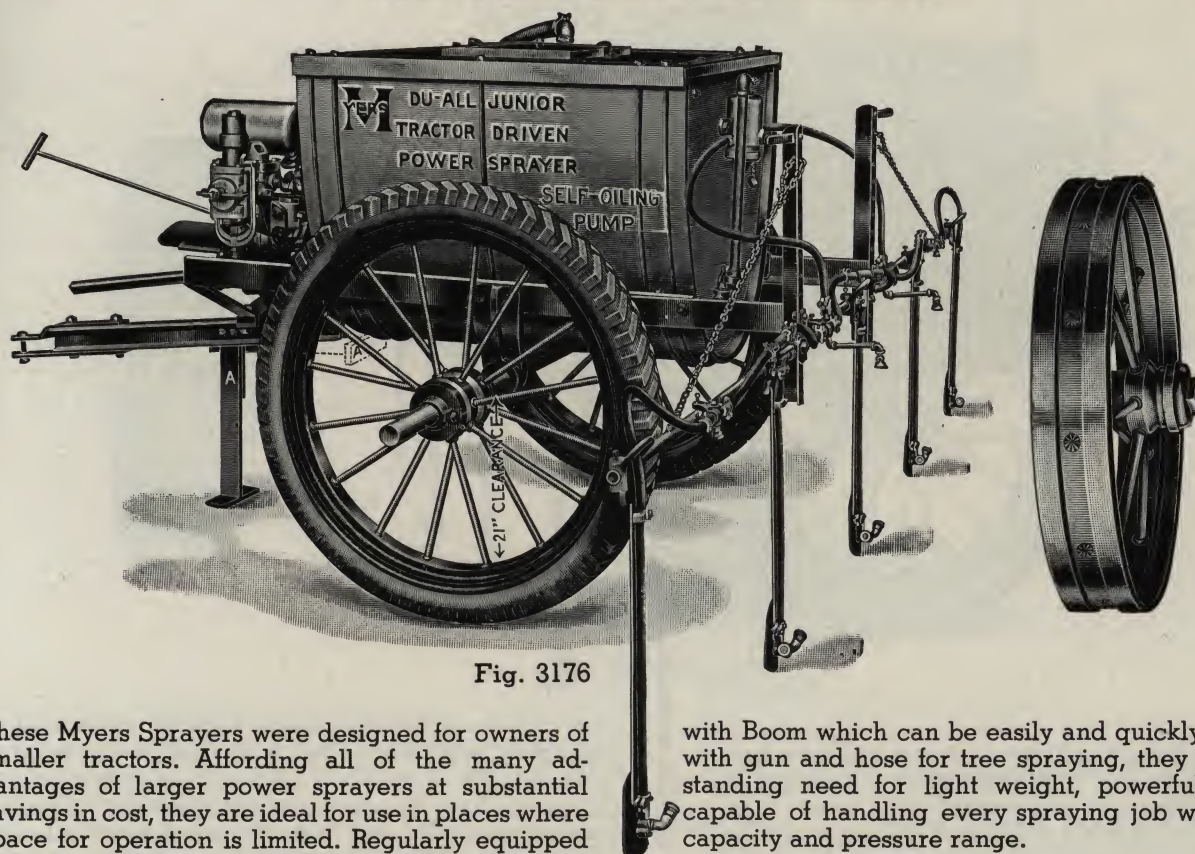


Fig. 3176

These Myers Sprayers were designed for owners of smaller tractors. Affording all of the many advantages of larger power sprayers at substantial savings in cost, they are ideal for use in places where space for operation is limited. Regularly equipped

with Boom which can be easily and quickly replaced with gun and hose for tree spraying, they fill a long standing need for light weight, powerful sprayers capable of handling every spraying job within their capacity and pressure range.

#### SPECIFICATIONS

**PUMPS**—Myers Self-Oiling Duplex Pump 10-12 GPM capacity at 400-500 lbs. or Myers Self-Oiling Jr. Bulldozer Pump 6-7 GPM capacity at 300 lbs. For description of Pumps see Pages 246-251 and 268.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when nozzles are not operating. For complete description see Pages 252 and 268.

**SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned. See Fig. 2515, Page 298.

**DRIVE**—Roller Chain Pump Drive with Steel Guard. Complete Power Shaft Assembly with two Universal joints between Sprayer and Tractor. Safety Shield Assembly over Power Shaft between Sprayer and Tractor.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive.

**FRAME**—Angle and Channel Steel, Arc-Welded.

**AXLE**—Steel, 2 1/4" in diameter.

**WHEELS**—Roller Bearing, Steel 44"x5" Tire. Rubber Tire, Implement Type 5.00-36—4-ply. Interchangeable.

**BOOM**—4 Row, Myers Flexible Pendant Type with 3 nozzles to each row. Pipe Pendant Type optional.

**BOOM ADJUSTMENT**—Top Nozzles can be set from 25" to 43" and Lower Nozzles from ground level to 18" above ground level.

**DIMENSIONS**—Tread Adjustable 48" to 72". Width Sprayer with Boom Open 12'5", Folded 85". Row Adjustment 24" to 36". Clearance 21". Height Over-all 50".

**DRAW BAR ADJUSTMENT**—15 1/2" to 24" above ground level.

**EXTRAS**—For Spring Hitch to Tractor on above Rigs, ..... add.....

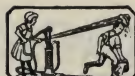
For omission of Safety Shield over Power Shaft Assembly between Sprayer and Tractor (where tractor is not equipped for attaching Standardized Safety Shield) ..... deduct.....

**SPECIFY MAKE AND MODEL OF TRACTOR WHEN ORDERING.**

Catalog Number	Pump Number	Pump GPM	Pressure	Power Required	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
WITH 10-12 GPM PUMP										
4012-5TFR1 1/2	700X	10-12	400-500 lbs.	4-6 HP	4	5.00-36 Rubber	150	1525	PVYTO	.....
4012-5TFS1 1/2	700X	10-12	400-500 lbs.	4-6 HP	4	44" x 5" Steel	150	1530	PVYQU	.....
WITH 6-7 GPM PUMP										
4007-3TFR1 1/2	696	6-7	300 lbs.	2-3 HP	4	5.00-36 Rubber	150	1425	PVYWI	.....
4007-3TFS1 1/2	696	6-7	300 lbs.	2-3 HP	4	44" x 5" Steel	150	1430	PVYUM	.....

**PUMP REPAIRS:** See Pages 213-215, 219-221 and 252-253, No. R40 Repair Catalog





# MYERS DU-ALL JUNIOR POWER SPRAYERS

## TRACTOR DRIVEN

### WITH SIX OR FOUR ROW SPRAY BOOM

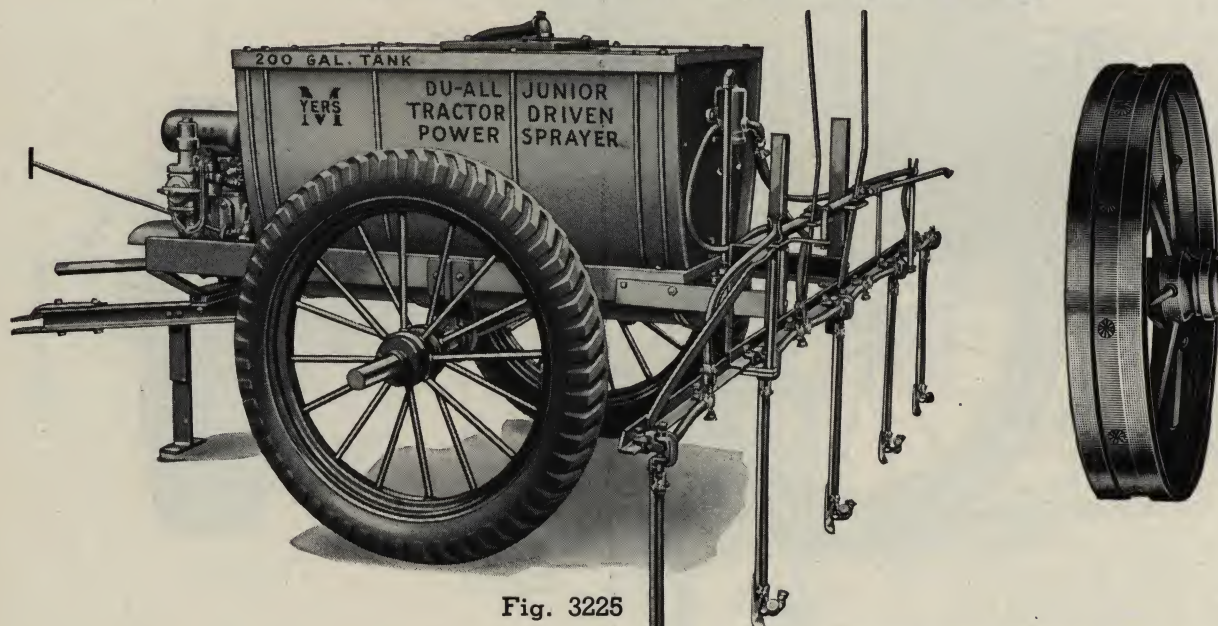


Fig. 3225

The trend toward light weight tractors has been responsible for the development of this series of sprayers. Capacity and weight have been scaled down to permit power take-off operation and at the same time accomplish substantial economies. Ideal

for use in places where space is limited for operation. Equipped with 200 gallon tank. The Boom can easily and quickly be replaced with gun and hose for tree spraying. They fill a long standing need for small, light weight, powerful sprayers capable of handling every spraying job within their capacity and pressure range.

### SPECIFICATIONS

**PUMPS**—Myers Self-Oiling Triplex Pump 12-15 GPM capacity at 400-500 lbs. or Myers Self-Oiling Duplex Pump 10-12 GPM capacity at 400-500 lbs. For description of Pumps see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when nozzles are not operating. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned out. See Fig. 2515, Page 298.

**DRIVE**—Roller Chain Pump Drive with Steel Guard. Complete Power Shaft Assembly with two Universal joints between Sprayer and Tractor. Safety Shield Assembly over Power Shaft between Sprayer and Tractor.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive.

**FRAME**—Angle and Channel Steel, Arc-Welded.

**AXLE**—Steel, 2 1/4" in diameter.

**WHEELS**—Roller Bearing, Steel 44"x5" Tire. Rubber Tire, Implement Type 6.50-36—4 Ply. Interchangeable.

**BOOM**—4 Row, Myers Flexible Pendant Type with 3 nozzles to each row. Pipe Pendant Type optional.

**BOOM ADJUSTMENT**—Top Nozzles can be set from 25" to 43" and Lower Nozzles from ground level to 18" above ground level.

**DIMENSIONS**—Tread, Adjustable 48" to 72". Width, Sprayer with Boom Open 12'5", Folded 85". Row Adjustment 24" to 36". Clearance 21". Height Over-all 50".

**DRAW BAR ADJUSTMENT**—15 1/2" to 24" above ground level.

**EXTRAS**—No. 155, Tank Filler, Fig. 2327, with 20 ft. of 2 inch Suction Hose and Strainer. For 12 or 15 Gallon Pumps. Wt. 54 lbs. .... PANYU add. ....  
For Spring Hitch to Tractor on above Rigs, add. ....  
For omission of Safety Shield over Power Shaft Assembly between Sprayer and Tractor (where tractor is not equipped for attaching Standardized Safety Shield) .... DEDUCT. ....

**SPECIFY MAKE AND MODEL OF TRACTOR WHEN ORDERING.**

Catalog Number	Pump Number	Pump GPM	Pressure	Power Required	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
WITH 12-15 GPM PUMP										
4015-STFR2	742X	12-15	400-500 lbs.	6-8 HP	6	6.50-36 Rubber	200	1770	PWEYZ	.....
4015-STFS2	742X	12-15	400-500 lbs.	6-8 HP	6	44" x 5" Steel	200	1720	PWEUH	.....
WITH 10-12 GPM PUMP										
4012-STFR2	700X	10-12	400-500 lbs.	4-6 HP	4	6.50-36 Rubber	200	1655	PWEOT	.....
4012-STFS2	700X	10-12	400-500 lbs.	4-6 HP	4	44" x 5" Steel	200	1600	PWEMY	.....

**PUMP REPAIRS:** See Pages 213-215, 219-221 and 252-253, No. R40 Repair Catalog



# MYERS DU-ALL JUNIOR POWER SPRAYER

## TRAILER TYPE—ENGINE DRIVEN WITH 4 ROW SPRAY BOOM

The Myers Engine Driven Trailer Type Sprayers are designed particularly for use with small tractors, too light for power take-off connection. They are equally convenient for hooking behind a farm wagon, truck or automobile.

These sprayers bring to the truck gardener and the general farmer who have crops to spray, the opportunity of selecting a reliable Myers Sprayer, at low cost, that will do the spraying job exceptionally well in field or orchard.

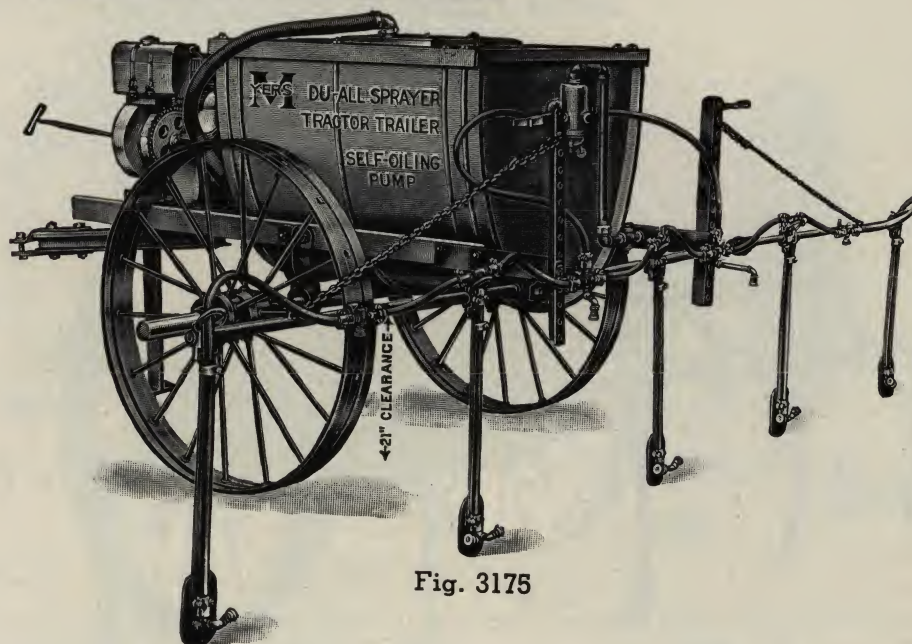


Fig. 3175

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Duplex Pump 10-12 GPM capacity at 400 to 500 lbs. and Myers Self-Oiling Jr. Bulldozer Pump 6-7 GPM capacity at 250 to 300 lbs. depending on HP of engine used. For complete description of Pump see Pages 246-251 and 268.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when nozzles are not operating. For complete description see Pages 252 and 268.

**SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned. See Fig. 2515, Page 298.

**ENGINE**—6 HP, No. 6A, Fig. 3166, Roller Bearing, 1 Cylinder Vertical, Air Cooled. Variable Speed with Magneto. 4-5 HP, No. 5A, Fig. 3166, Roller Bearing, 1 Cylinder Vertical, Air Cooled. Variable Speed with Magneto.

3 HP, No. 3VR, Fig. 2712, Radiator Cooled, Vertical Roller Bearing, Throttle Governed, 1200 RPM, Back Geared 2 to 1 with Magneto.

2 HP, No. 2VH, Fig. 2712, Hopper Cooled, Vertical Roller Bearing, Throttle Governed, 1200 RPM, Back Geared 2 to 1 with Magneto.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive.

**FRAME**—All Steel, Arc-Welded.

**AXLE**—Steel 2 1/4" in Diameter.

**WHEELS**—Roller Bearing—Steel 44"x5", Rubber Tire 5.00-36—4 Ply. Interchangeable.

**BOOM**—4 Row Myers Flexible Pendant Type with 3 nozzles to each row. Pipe Pendant Type optional.

**BOOM ADJUSTMENT**—Top Nozzles can be set from 25" to 43" and Lower Nozzles from ground level to 18" above ground level.

**DIMENSIONS**—Tread, Adjustable 48" to 72". Width, Sprayer with Boom Open 12' 5", Folded 85". Row Adjustment 28" to 36". Clearance 21". Height Over-all With 150 Gallon Tank 50", 100 Gallon Tank 41". Length, 125" including Draw Bar.

**DRAW BAR ADJUSTMENT**—19" to 24 1/2" above ground level.

**EXTRAS**—If with Spring Hitch instead of Plain Clevis, add.....

No. 153, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. Wt. 51 lbs. For 7 or 12 Gallon Pump.....

.....PAMIC add.....

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
WITH 10-12 GPM PUMP										
4012-4ETFR1 1/2	700X	10-12	400 lbs.	4-5 HP	4	5.00-36 Rubber	150	1665	PWABY	.....
4012-5ETFR1 1/2	700X	10-12	500 lbs.	6 HP	4	5.00-36 Rubber	150	1665	PWADU	.....
4012-4ETFS1 1/2	700X	10-12	400 lbs.	4-5 HP	4	44" x 5" Steel	150	1670	PVYYE	.....
4012-5ETFS1 1/2	700X	10-12	500 lbs.	6 HP	4	44" x 5" Steel	150	1670	PVZAA	.....
WITH 6-7 GPM PUMP										
4007-2ETFR1	696	6-7	250 lbs.	2 HP	4	5.00-36 Rubber	100	1465	PWAIK	.....
4007-3ETFR1	696	6-7	300 lbs.	3 HP	4	5.00-36 Rubber	100	1465	PWAIJ	.....
4007-2ETFR1 1/2	696	6-7	250 lbs.	2 HP	4	5.00-36 Rubber	150	1485	PWAIL	.....
4007-3ETFR1 1/2	696	6-7	300 lbs.	3 HP	4	5.00-36 Rubber	150	1485	PWAYD	.....
4007-2ETFS1	696	6-7	250 lbs.	2 HP	4	44" x 5" Steel	100	1460	PWAES	.....
4007-3ETFS1	696	6-7	300 lbs.	3 HP	4	44" x 5" Steel	100	1460	PWAGO	.....
4007-2ETFS1 1/2	696	6-7	250 lbs.	2 HP	4	44" x 5" Steel	150	1490	PWALE	.....
4007-3ETFS1 1/2	696	6-7	300 lbs.	3 HP	4	44" x 5" Steel	150	1490	PWAOX	.....

REPAIRS: See Pages 228 and 252-253, No. R40 Repair Catalog



# MYERS SENIOR POWER SPRAYERS

ENGINE DRIVEN  
WITH FOUR OR SIX ROW SPRAY BOOM

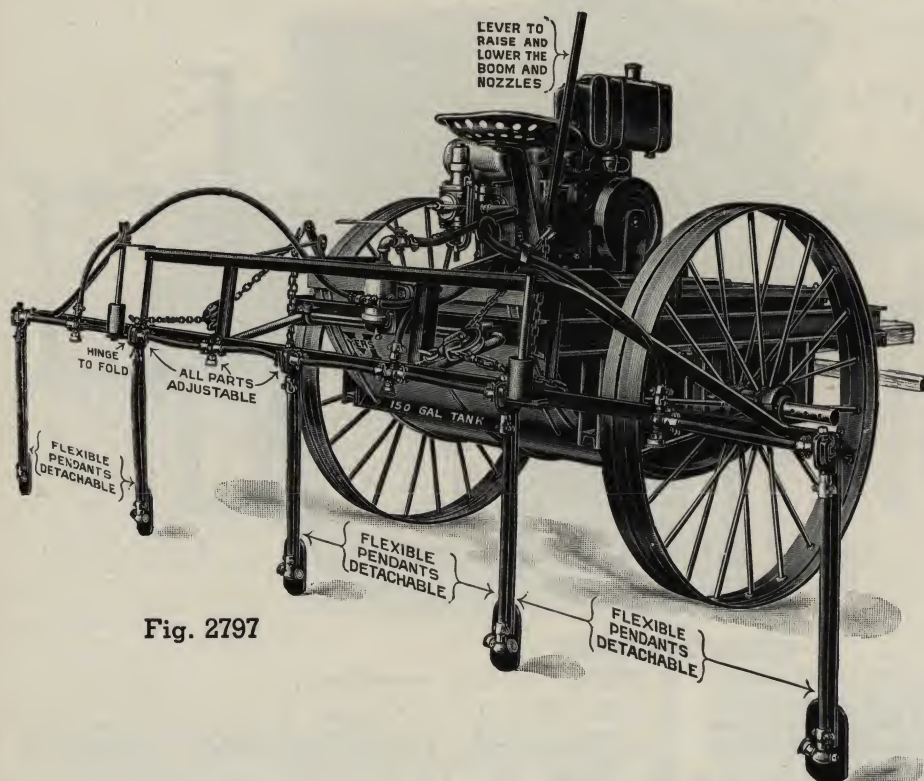


Fig. 2797

The Myers Senior Power Sprayer, built for spraying either four or six rows is one of the finest Myers engine powered, horse drawn, all crop sprayers. Well balanced, with adjustable tread and wide tires, it handles easily in soft ground. Under-slung construction permits operation on level or hilly ground.

The non-corrosive cypress tank has sufficient capacity to permit large areas being sprayed with little time lost for refilling. Engine and pump are mounted on top and conveniently placed for adjustment when necessary. Amazingly easy to operate. The pressure gauge can be easily seen from the driver's seat while the levers for shutting off the spray, raising and lowering the boom and other controls are within easy reach of the operator.

## SPECIFICATIONS

**PUMP**—Myers Self-Oiling Triplex Pump 12-15 GPM capacity at 400 lbs. and Myers Self-Oiling Duplex Pump 10-12 GPM capacity at 400 lbs. depending on HP of Engine used. For description see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when nozzles are not operating. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned. See Fig. 2515, Page 298.

**ENGINE**—6 HP, No. 6R, Fig. 3168, Roller Bearing, 2 Cylinder Vertical, Radiator Cooled, Throttle Governed. Variable Speed with Magneto.

4-5 HP, No. 5A, Fig. 3166, Roller Bearing, 1 Cylinder Vertical, Air Cooled, Variable Speed with Magneto.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades, Chain Drive enclosed in Steel Guard.

**FRAME**—All Steel, Arc-Welded.

**AXLE**—2 1/4", Arc-Welded and bolted to Main Frame—renewable. Axle does not pass through the Tank.

**WHEELS**—Roller Bearing—Steel 50"x6", Rubber Tire 6.50-36—4 Ply. Interchangeable.

**BOOM**—4 or 6 Row Myers Perfection Flexible Pendant Type, with 3 Nozzles to each row. Fig. 2759 Pipe Pendant Type optional.

**BOOM ADJUSTMENT**—Top Nozzles can be set from 25" to 41" and Lower Nozzles from ground level to 16" above ground level.

**DIMENSIONS**—Tread, Adjustable 64" to 72". Width, with 4 Row Boom, Open 12'5", Folded 85". 6 Row Boom Open 18'3", Folded 85". Row Adjustment 32" to 36". Clearance—Steel Wheeled Sprayers 15", Rubber Tired Sprayers 13 1/2". Height to top of tank 39".

**ACCESSORIES INCLUDED IN PRICES**—Pressure Gauge—Seat—Long Steel Double Tree and Neck Yoke.

**EXTRAS**—No. 155, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 15 Gallon Pump. Wt. 54 lbs.

..... PANYU add.....  
No. 153, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 12 Gallon Pump. Wt. 51 lbs. PAMIC add.....  
Vine Lifter, with break pin hooks. .... PIRNU add.....

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
WITH 12-15 GPM PUMP										
1071-4FR1 1/2	742X	12-15	400 lbs.	6 HP	6	6.50-36 Rubber	150	2300	PUNSA	.....
1071-4FS1 1/2	742X	12-15	400 lbs.	6 HP	6	50" x 6" Steel	150	2210	PUNIV	.....
WITH 10-12 GPM PUMP										
1070-4FR1 1/2	700X	10-12	400 lbs.	4-5 HP	4	6.50-36 Rubber	150	2100	PUNED	.....
1070-4FS1 1/2	700X	10-12	400 lbs.	4-5 HP	4	50" x 6" Steel	150	2010	PUNAL	.....

**PUMP REPAIRS:** See Pages 213-215, 219-221 and 252-253, No. R40 Repair Catalog



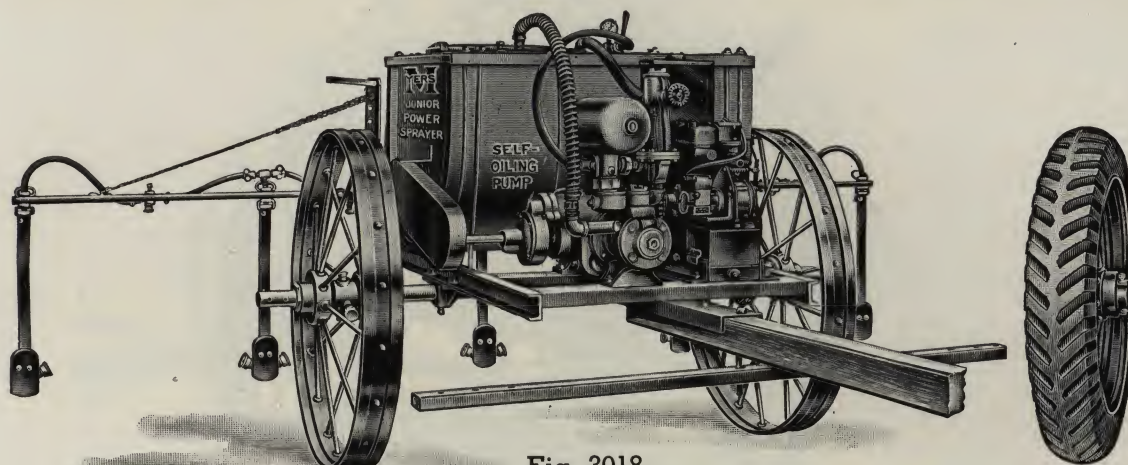


Fig. 3018

## MYERS DU-ALL JUNIOR POWER SPRAYER

### ENGINE DRIVEN

### WITH FOUR ROW SPRAY BOOM

This is one of the best Myers Power Sprayers for general all-around use where requirements fall within its capacity and pressure range. Has ample clearance for row crop work being especially adapted to potato and vegetable spraying. With Myers method of application the 250 to 300 pounds pressure this sprayer develops provides highly satisfactory coverage and atomization.

The pump and engine are easily accessible from the ground.

A feature of MYERS construction is that the entire load is balanced over the axle, protecting the team. Designed for the medium or small grower, it can be transformed from a row crop sprayer into a tree sprayer easily and quickly by detaching boom and substituting hose and guns.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Jr. Bulldozer Pump 5-6 GPM capacity at 250 to 300 lbs. depending on HP of Engine used. Perfect and Continuous Lubrication. Efficient, Economical and Dependable. Long years of satisfactory service assured. For complete description of Pump see Page 268.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when nozzles are not operating. For complete description see Page 268.

**SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned. See Fig. 2515, Page 298.

**ENGINE**—2 HP No. 2VH, Fig. 2712, Hopper Cooled Vertical Roller Bearing. Throttle Governed, 1200 RPM, Back Geared 2 to 1, with Magneto.

3 HP No. 3VR, Fig. 2712, Radiator Cooled Vertical Roller Bearing. Throttle Governed, 1200 RPM, Back Geared 2 to 1, with Magneto.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Chain Drive from Pump Shaft enclosed in Steel Guard.

**FRAME**—All Steel, Arc-Welded.

**AXLE**—Steel, 2 1/4" diameter.

**WHEELS**—Roller Bearing—Steel 44"x5", Rubber Tire 5.00-36—4 Ply.

**BOOM**—4 Row Myers Flexible Pendant Type with 3 Nozzles to each row. Pipe Pendant Type optional.

**BOOM ADJUSTMENT**—Top Nozzles can be set from 25" to 43" and Lower Nozzles from ground level to 18" above ground level.

**DIMENSIONS**—Tread Adjustable 56" to 72". Width with Boom Open 12'5", Folded 8'5". Row Adjustment 28" to 36". Clearance 21". Height Over-all 58".

**ACCESSORIES INCLUDED IN PRICES**—Pressure Gauge—Seat—Long Steel Double Tree and Neck Yoke.

**EXTRAS**—Vine Lifter with break pin hooks, not illustrated. . . . . PIRTI add. . . . .

No. 153, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 12 Gallon Pump. Wt. 51 lbs. PAMIC add. . . . .

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
1079-2FR1	696	5	250 lbs.	2 HP	4	5.00-36 Rubber	100	2580	PUNYO	.....
1079-3FR1	696	6	300 lbs.	3 HP	4	5.00-36 Rubber	100	2580	PUPAJ	.....
1079-2FS1	696	5	250 lbs.	2 HP	4	44" x 5" Steel	100	2580	PUNTY	.....
1079-3FS1	696	6	300 lbs.	3 HP	4	44" x 5" Steel	100	2580	PUNUW	.....

REPAIRS: See Pages 228 and 252-253, No. R40 Repair Catalog



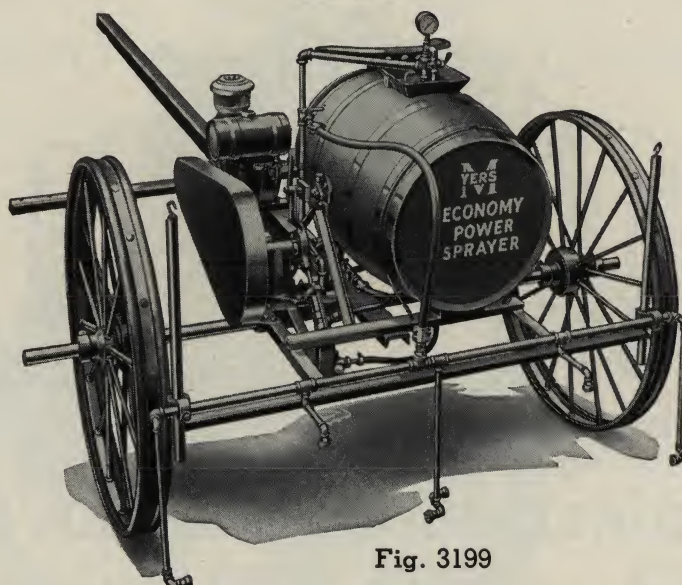


Fig. 3199

## MYERS ECONOMY POWER SPRAYER

### ENGINE POWERED

### WITH TWO OR FOUR ROW SPRAY BOOM

Economical to operate, light in draft and perfectly balanced this Myers engine powered Sprayer provides a power sprayer at traction sprayer prices for those with limited acreage or crops from which the return does not justify the use of larger equipment.

Frame is extra strong, arc-welded angle and channel steel. The 50 gallon tank is fitted with rotary agitator providing positive agitation of spray mate-

rial. Ample pressure for either 2 or 4 row boom is provided by two Double Acting Pumps which insure satisfactory performance and maintain uniform pressure at the nozzles even when turning at end of rows.

The pressure gauge is placed so it can be readily seen by the driver and the valves for shutting off the spray and relieving the pump of load are within easy reach and easy to operate.

### SPECIFICATIONS

**PUMPS**—Twin, Double Acting, giving smooth balanced performance. Have Brass Ball Valves in Plunger and Check Valve.

**ENGINE**—Air Cooled, 1 HP or 1½ HP depending on Boom and Pressure desired.

**TANK**—50 Gallon Hard Wood Barrel.

**DRIVE**—V-Belt with Take-Up Adjustment and Protective Guard.

**AGITATOR**—Rotary, driven from Pump Crank.

**FRAME**—Angle and Channel Steel, Arc-Welded.

**AXLE**—Steel, 1½".

**WHEELS**—Steel, 44" x 3½" with Flanged and Grooved Tires.

**BOOM**—2 or 4 Row with 3 Nozzles to each row, Pipe Pendant Type.

**BOOM ADJUSTMENT**—Top Nozzles can be set from 21" to 38" and Lower Nozzles from 8" to 25" above ground level.

**DIMENSIONS**—Tread Adjustable 52" to 72". Width Sprayer with 4 Row Boom Open 12'5", Folded 83". 2 Row Sprayer 83" with Boom. Row Adjustment 26" to 36". Clearance 21". Height Over-all 58".

**ACCESSORIES**—Pressure Relief Valve—Pressure Gauge—Shut-Off Valve on line to Boom—Air Chamber in Discharge Line—Strainer in Suction Lines where connected to Bottom of Tank—Long Steel Double Tree and Neck Yoke.

**EXTRAS**—For Myers Flexible Pendant Type Boom, instead of Pipe Boom, on two row Sprayers,.... add.....  
For Myers Flexible Pendant Type Boom, instead of Pipe Boom, on four row Sprayers,..... add.....  
No. 153A, Myers Hydraulic Tank Filler, complete with 15 ft. of 1¼ inch Suction Hose and Fig. 1347 Strainer with short piece of ½ inch high Pressure Hose to connect to the Discharge Line at the Shut-Off Valve after disconnecting Hose leading to Boom. For 6 Gallon Pump. Wt. 25 lbs.....PWTOE add.....  
Shafts instead of Tongue, furnished at no additional cost.

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
4004-2FS½	775	4	200 lbs.	1 HP	2	44" x 3½" Steel	50	725	PWDUI	.....
4004-3FS½	775	4-6	300 lbs.	1½ HP	2	44" x 3½" Steel	50	725	PWDYA	.....
4006-3FS½	775	6	300 lbs.	1½ HP	4	44" x 3½" Steel	50	725	PWEAW	.....

REPAIRS: See Pages 250-251, No. R40 Repair Catalog



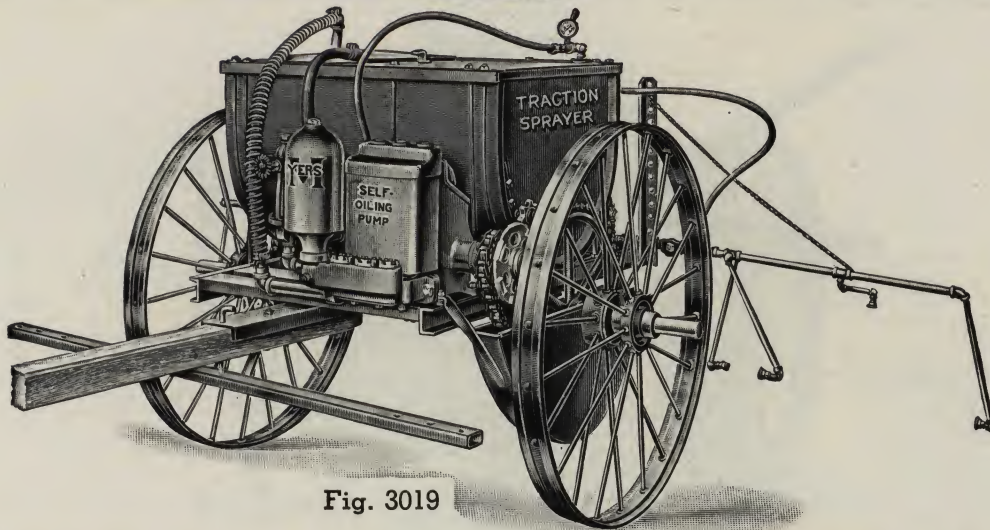


Fig. 3019

## MYERS SENIOR TRACTION SPRAYERS

### TRACTION DRIVEN WITH FOUR ROW SPRAY BOOM

The Myers Senior Traction Sprayer was developed to meet the demand for a higher standard of spraying efficiency from this class of equipment.

This sprayer is not to be confused with the customary, light weight traction type sprayer. It is equipped with Myers Self-Oiling Triplex Spray Pump developed especially for traction serv-

ice and provides ample capacity for the nozzles at 300 pounds pressure. An added feature of this sprayer is the large capacity air chamber which maintains pressure when turning at end of rows.

As a traction sprayer it has no equal for spraying potatoes, melons, cucumbers, cotton and other field and row crops.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Special Triplex Pump 6-7 GPM capacity at 300 lbs. as described below.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when nozzles are not operating. For complete description see Page 297.

**SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned. See Fig. 2515, Page 298.

**DRIVE**—Heavy Steel Chain with Steel Guard.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive from Axle.

**FRAME**—All Steel, Arc-Welded.

**AXLE**—Steel, 2" diameter.

**WHEELS**—Steel 50"x4", Ratchet Type.

**BOOM**—4 Row Pipe Pendant Type with 3 Nozzles to each row.

**BOOM ADJUSTMENT**—Top Nozzles can be set from 18" to 38" and Lower Nozzles from 5" to 25" above ground level.

**DIMENSIONS**—Tread, Adjustable 60" to 72". Width, Sprayer with Boom Open 12'5", Folded 8'5". Row Adjustment 30" to 36". Clearance 24". Height Over-all 60".

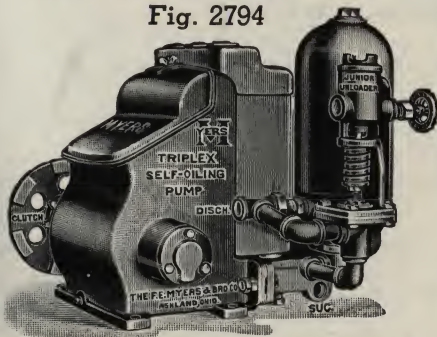
**ACCESSORIES INCLUDED IN PRICES**—Pressure Gauge—Seat—Long Steel Double Tree and Neck Yoke.

**EXTRAS**—For Myers Flexible Pendant Type Boom, instead of Pipe Boom, ..... add.....  
For Special Boom for Melons and Cucumbers, 3 Rows 5 to 6 feet apart, ..... add.....  
Vine Lifter, with break pin hooks not illustrated.  
..... PIROS add.....

Catalog Number	Pump Number	Pump GPM	Pressure	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
1077-3FS1	707½	6-7	300 lbs.	4	50"x4" Steel	100	1425	PINNY	.....

## THE MYERS SPECIAL TRIPLEX SPRAY PUMP—TRACTION DRIVEN ONLY

Fig. 2794



**CAPACITY: 6 Gals. at 60 R. P. M. 7 Gals. at 70 R. P. M.**

Especially designed for Traction Sprayers, this dependable Myers Triplex Pump provides Myers smooth Self-Oiling construction. Has Brass cylinders and long life, self-expanding type plungers with take up adjustment. Valves are screwed-in type with stainless steel balls and bronze seats. Is furnished complete with strainer, pressure gauge, unloading valve, clutch and sprocket.

Catalog Number	Pressure	Bore and Stroke	Weight Pounds	CODE	Price
707½	300 lbs.	2"x2½"	260	PIPIH	.....

REPAIRS: See Pages 216-218 and 252-253, No. R40 Catalog





Fig. 3132

## MYERS ECONOMY SPRAYER

### TRACTION DRIVEN WITH FOUR ROW SPRAY BOOM

Recommended for the grower with small acreage, this Myers Traction Sprayer provides efficient and economical coverage at low investment cost. It is well constructed with 50 gallon tank fitted with rotary agitator providing positive agitation of spray material. Ample pressure for the 4 row boom it carries is pro-

vided by two Double Acting Pumps which insure satisfactory performance at the nozzles. Easy to operate—pressure gauge placed so it can be seen at all times by the driver—levers for shifting the gears, shutting off the spray and controlling the pump are within easy reach of the operator.

#### SPECIFICATIONS

**PUMPS**—Twin, Double Acting, giving smooth balanced performance. Have Brass Ball Valves in Plunger and Check Valve.

**TANK**—50 Gallon Hard Wood Barrel.

**DRIVE**—The Two Double Acting Pumps are driven by Gearing from the Axle, the Gearing being enclosed with Steel Guard.

**AGITATOR**—Rotary, Driven from Pump Crank.

**FRAME**—Angle and Channel Steel, Arc-Welded.

**AXLE**—Steel, 1 $\frac{5}{8}$ ".

**WHEELS**—Steel, 44" x 3 $\frac{1}{2}$ " with Flanged and Grooved Tires.

**BOOM**—4 Row with 3 Nozzles to each row, Pipe Pendant Type.

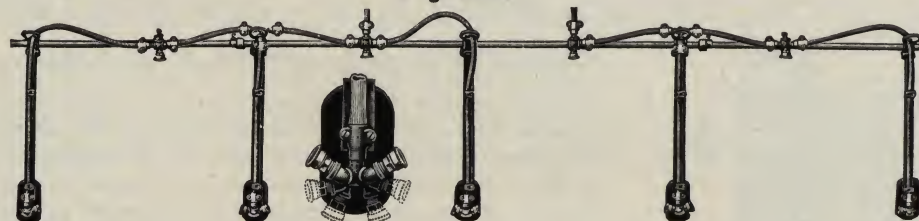
**BOOM ADJUSTMENT**—Top Nozzles can be set from 21" to 38" and Lower Nozzles from 8" to 25" above ground level.

**DIMENSIONS**—Tread Adjustable 52" to 72". Width Sprayer with Boom Open 12'5", Folded 8'3". Row Adjustment 28" to 36". Clearance 21". Height Over-all 58".

**ACCESSORIES INCLUDED IN PRICES**—Pressure Relief Valve—Pressure Gauge—Shut-Off Valve on line to Boom—Air Chamber in Discharge Line—Strainer in Suction Lines where connected to Bottom of Tank—Seat—Long Steel Double Tree and Neck Yoke.

**EXTRAS**—For Myers Flexible Pendant Type Boom (Fig. 2789), instead of Pipe Boom, .....add.....  
Shafts instead of Tongue, furnished at no additional cost.

Fig. 2789



Nozzle Adjustment

Catalog Number	Pump Number	Maximum Pressure	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
1073-2FS $\frac{1}{2}$	775	200 lbs.	4	44"x3 $\frac{1}{2}$ " Steel	50	725	PUZOW	.....

REPAIRS: See Pages 250-251, No. R40 Repair Catalog





Fig. 2989

**MYERS ECONOMY COTTON SPRAYER**  
**TRACTION DRIVEN**  
**WITH FOUR ROW SPRAY BOOM**

Notable improvements in both equipment and spray material have greatly increased the use of liquid spray in the control of cotton insects. Myers Economy Sprayer is especially designed for this particular field of service. Years of field experience have defi-

nately established its economy and effectiveness. Speed, economy and thoroughness are its outstanding features. Recommended for its simplicity, strength and dollar for dollar value.

**SPECIFICATIONS**

- PUMPS**—Twin, Double Acting, giving smooth balanced performance. Have Brass Ball Valves in Plunger and Check Valve.
- SEDIMENT CHAMBER & STRAINER**—Mounted in discharge line, easily cleaned. See Fig. 2515, Page 298.
- TANK**—50 Gallon Hard Wood Barrel.
- DRIVE**—The twin pumps are driven individually from the wheels through cut tooth cast gears connected to wheel hubs, and cut tooth steel pinions on crankshafts to pumps.
- AGITATOR**—Semi-Rotary.
- FRAME**—Angle and Channel Steel, Arc-Welded.
- WHEELS**—Steel, 36"x3½" with Flanged and Grooved Tires.

- BOOM**—4 Row with 3 Nozzles to each row.
- BOOM ADJUSTMENT**—Adjustable to locate Top Nozzles from 18" to 42" above ground level. Individual strainers in nozzles.
- GUARDS**—Regularly furnished, to prevent dirt from lodging in gearing and tearing of foliage by operating mechanism.
- DIMENSIONS**—Tread, Suitable for 36" or 40" rows. Width, Approximate Width Over-all—81" for 36" rows—89" for 40" rows. Clearance, 41". Height to Top of Tank, 69".
- ACCESSORIES INCLUDED IN PRICES**—Pressure Relief Valve—Pressure Gauge—Shut-Off Valve on line to Boom—Air Chamber in Discharge Line—Strainer in Suction Lines where connected to Bottom of Tank—Seat and Tongue.

Catalog Number	Pump Number	Pressure	Width Rows	Boom Rows	Wheels Type	Tank Gallons	Weight Pounds	CODE	Price
1068-FS½-36	774	Up to 150 lbs.	36"	4	36"x3½" Steel	50	780	PUPEB	
1068-FS½-40	774		40"	4	36"x3½" Steel	50	780	PUPIT	

**REPAIRS:** See Pages 238-239 and 250-251, No. R40 Repair Catalog

SPRAY ACCESS.  
POWER WASHERS  
HAY TOOLS  
1000 H. STORE L.  
ENG. DATA  
INDEXES



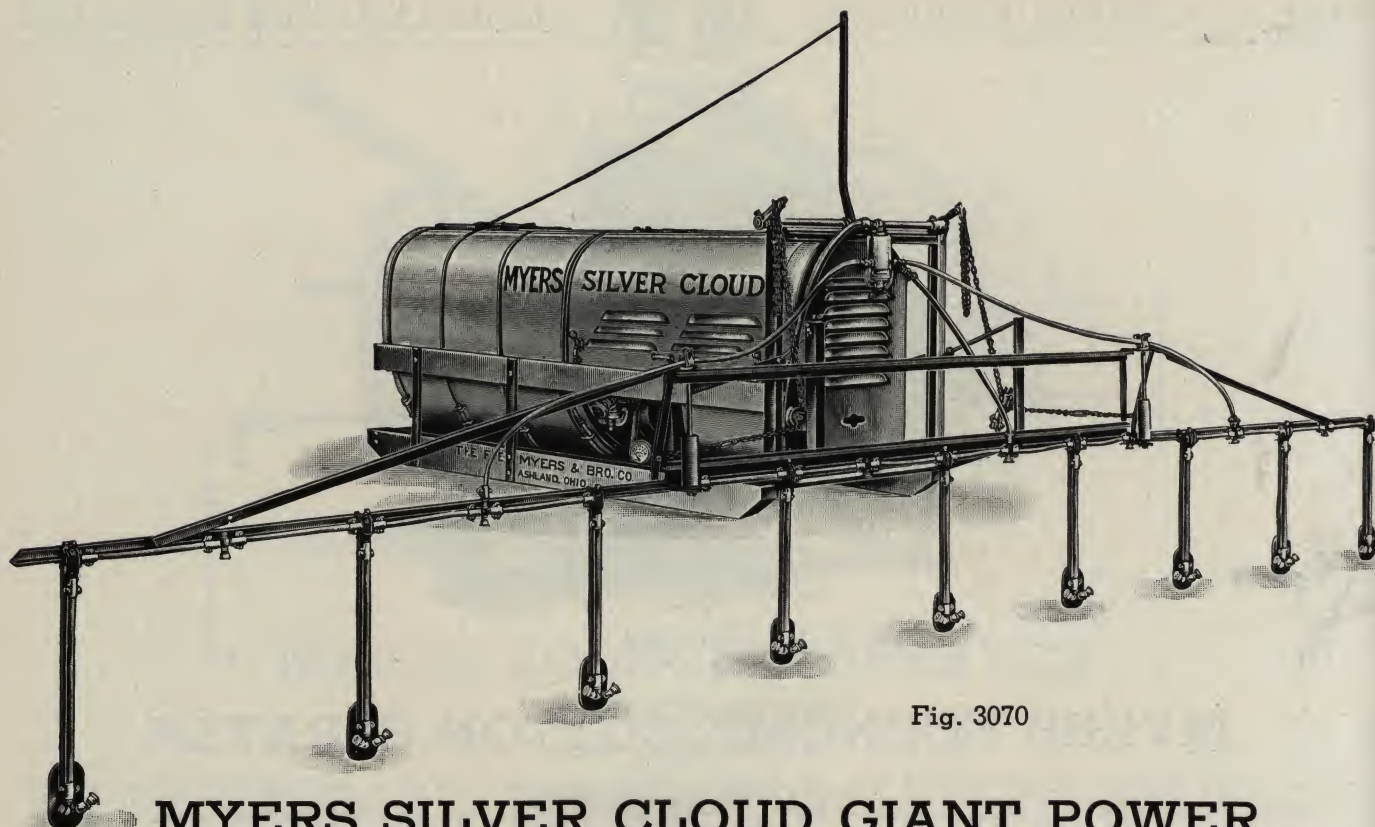


Fig. 3070

## MYERS SILVER CLOUD GIANT POWER SPRAYERS

### SKID TYPE—ENGINE DRIVEN

This type of Sprayer appeals to many growers with large acreage who desire to transport the Sprayer on truck or other vehicle. Built with the tank near the driver's seat for balanced weight distribution—equipped with the Myers 4 Cylinder, Quadruplex, Self-Oiling Pump, providing ample gallonage and pressure for

### WITH EIGHT ROW SPRAY BOOM

the 8 row boom with which it is regularly fitted—the "Myers Giant" is the last word in up-to-date commercial spraying equipment. This type of sprayer is available as illustrated or is supplied at lower cost without steel hood but with hinged cover over engine and pump, side curtains and flat top tank.

### SPECIFICATIONS

**PUMP**—Myers Self-Oiling Quadruplex Pump 18-20 GPM capacity at 400 or 500 lbs. depending on HP of Engine used. For complete description see Pages 246-251.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when nozzles are not operating. For complete description see Page 252.

**SEDIMENT CHAMBER & STRAINER**—Mounted in both Suction Line (see Fig. 3186, Page 298) and Discharge Line (see Fig. 2515, Page 298). Both easily cleaned.

**ENGINE**—8 HP, No. 8R, Fig. 3168, Roller Bearing, 2 Cylinder Vertical, Radiator Cooled, Throttle Governed, Variable Speed with Magneto.

14 HP, No. 14R, Fig. 3169, 4 Cylinder, Radiator Cooled, with Magneto and Circulating Pump.

**DRIVE**—Roller Chain.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades. Roller Chain Drive.

**HOOD**—No. 3920 Series, Steel, Streamlined. Ventilated Side Opening. No. A727 Series, Cab Fitted with Canvas Side Curtains.

**FRAME**—All Steel, Arc-Welded.

**SKIDS**—4"x6" Hard Wood.

**BOOM**—8 Row Myers Perfection Flexible Pendant Type with 3 Nozzles to each row. Fig. 2759 Pipe Pendant Type optional.

**BOOM ADJUSTMENT**—28" to 36" Row width and 16" vertically.

**DIMENSIONS**—Width Sprayer with Boom Open 24'7", Folded 9'5". Height to Top of Tank Silver Cloud Models 47". Flat Top Models 300 Gallons 42", 400 Gallons 52".

**EXTRAS**—No. 156, Myers Hydraulic Tank Filler, Fig. 2327, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. For 20 Gallon Pump. Wt. 60 lbs. .... PUVME, add. ....

Catalog Number	Pump Number	Pump GPM	Pressure	Engine	Boom Rows	Tank Gallons	Weight Pounds	CODE	Price
<b>STREAMLINED MODELS—AS ILLUSTRATED ABOVE</b>									
3920-4FO3	740X	18-20	400 lbs.	8 HP	8	300	2580	PUTSU	.....
3920-4FO4	740X	18-20	400 lbs.	8 HP	8	400	2725	PUTVO	.....
3920-5FO3	740X	18-20	500 lbs.	14 HP	8	300	2880	PUTYI	.....
3920-5FO4	740X	18-20	500 lbs.	14 HP	8	400	3050	PUVAD	.....
<b>FLAT TOP TANK MODELS—NOT ILLUSTRATED</b>									
A727-4FO3	740X	18-20	400 lbs.	8 HP	8	300	2355	PVSOE	.....
A727-4FO4	740X	18-20	400 lbs.	8 HP	8	400	2460	PVTEY	.....
A727-5FO3	740X	18-20	500 lbs.	14 HP	8	300	2520	PVUAF	.....
A727-5FO4	740X	18-20	500 lbs.	14 HP	8	400	2620	PVUEX	.....

**REPAIRS:** See Pages 214-215, 219-221, 227, 243 and 249-250, No. R40 Repair Catalog



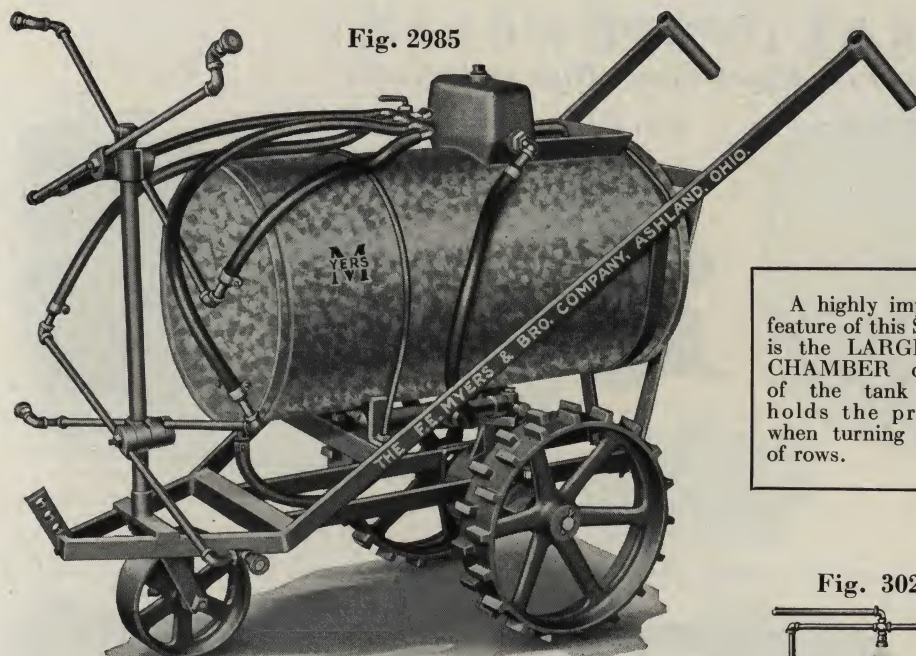
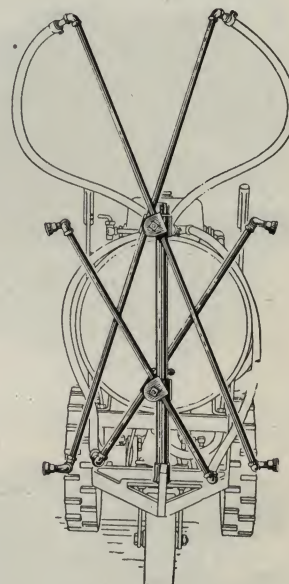


Fig. 2985

Maximum Pressure 150 Lbs.

A highly important feature of this Sprayer is the LARGE AIR CHAMBER on top of the tank which holds the pressure when turning at end of rows.



Illustrating the nozzles arranged for spraying the inside of two rows of tall plants.

Fig. 3024

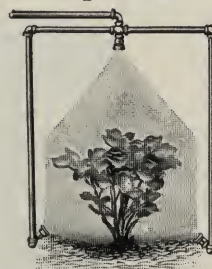
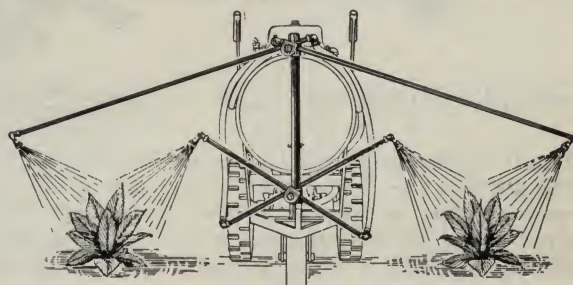


Fig. 3024 Illustrates the Boom with 3 Nozzles to the row, used on No. 1078½-F Sprayer.



The illustration above shows the nozzles arranged to spray downward at an angle on each side of two rows of low plants. The standard boom arranged in this way will cover two rows 54" apart.

Either of these arrangements of the boom can be widely varied as to height or spread by shifting the nozzle pipes in the clamps or by shifting the clamps up or down or both. Other variations can be easily made to suit special conditions.

## MYERS TRACTION SPRAYER

### For Tobacco, Potatoes, Berries, Row Crops, Flowers or Nursery Spraying

Fig. 2985 illustrates the complete outfit as regularly furnished. It has been designed for speed, thoroughness and economy.

No detail tending to increase performance values has been overlooked. Design, construction and equipment have been carefully developed to a point of excellence that will be appreciated by and will satisfy the most critical of users.

It is a one-man—one-horse—two-row—traction-powered sprayer, compactly built and nicely balanced for easy handling and transportation.

**Frame**—is all steel, arc-welded.

**Wheels**—Traction 14 x 3¼", Reversible, Regular Tread 16¾", Narrow Tread 10¾". Width over-all of Wheels when on narrow tread is 14".

**Pump**—No. 773, All brass, double acting, with ball valves and built in air chamber.

**Drive**—Bevel gear drive for both pump and Rotary agitator, completely enclosed and operating in grease insures thorough lubrication and long life.

**Measurements**—Width—20" exclusive of boom. Length—60". Height to top of tank—31". Height over-all—40".

### PRICE LIST, Represented by Fig. 2985

		Price
No. 1078-F,	Myers Traction Tobacco Sprayer, complete as illustrated, with 25 gallon galvanized tank, rotary agitator, adjustable boom, nozzles, lever shut-off and relief valve ready to spray. Weight 285 lbs. Crated. ....	PUZPU .....
No. 1078½-F,	Similar to No. 1078-F with Fig. 3024, 3 nozzles to the row Boom for Potatoes, Vegetables, etc. Weight 275 lbs. ....	PUZSO .....

REPAIRS: See Pages 238-239, and 240-241, No. R40 Repair Catalog

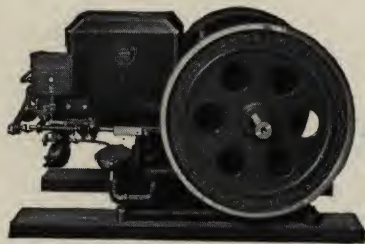




# GASOLINE ENGINES

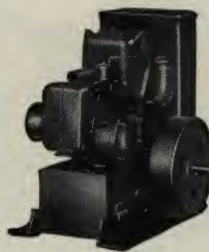
*As Used on Myers Spray Rigs and Outfits*

Fig. 2711



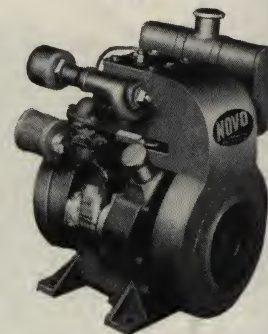
No. 2HH—2 H. P. Engine  
No. 3HH—3 H. P. Engine

Fig. 2712



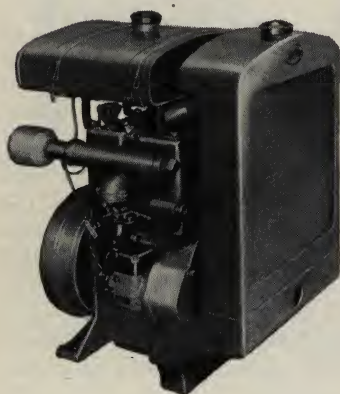
No. 2VH—2 H. P. Engine  
No. 3VR—3 H. P. Engine

Fig. 3166



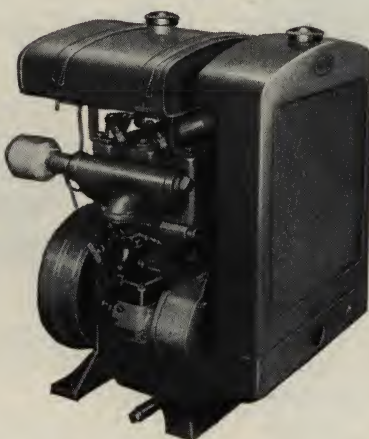
No. 5A, 4-5 H. P. Engine,  
Air Cooled  
No. 6A, 6 H. P. Engine,  
Air Cooled

Fig. 3167



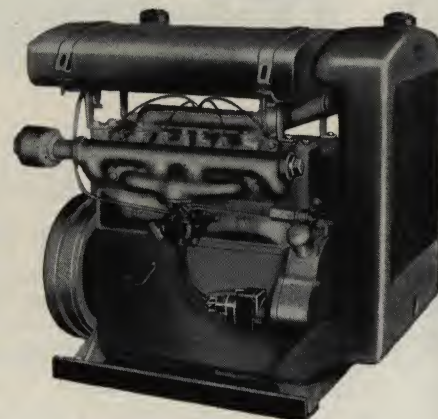
No. 5R, 4-5 H.P. Engine

Fig. 3168



No. 6R, 6 H.P. Engine  
No. 8R, 8 H.P. Engine

Fig. 3169



No. 14R, 14 H.P. Engine  
No. 20R, 20 H.P. Engine

We do not manufacture Gasoline Engines, but we aim to furnish the Best Engines we know of for the purpose of driving Myers Power Spray Rigs. The Engines listed on this page have proven the most satisfactory in every way and are offered with the

Manufacturer's Guarantee that they will do their work dependably.

Our object in insisting on furnishing the Engine with *all Chain Driven Rigs* is to know that it is properly lined up and has sufficient power for the purpose.

## PRICE LIST OF ENGINES

Prices Subject to Change Without Notice

These Engines are fitted with Special Equipment for our purpose, hence, these lists should not be compared with lists for REGULARLY equipped Engines

		Price
No. 2VH, Fig. 2712—2 H. P. Hopper Cooled Vertical Roller Bearing, Throttle Governed, 1200 R. P. M., Back Geared 2 to 1, with Magneto. Wt. 174 Lbs.	PEYUV	.....
No. 3VR, Fig. 2712—3 H. P., Radiator Cooled, otherwise same as No. 2 VH. Wt. 186 Lbs.	PIWBO	.....
No. 2HH, Fig. 2711—2 H. P. Hopper Cooled Horizontal with Magneto. Wt. 276 Lbs.	PAMHE	.....
No. 3HH, Fig. 2711—3 H. P. Hopper Cooled Horizontal with Magneto. Wt. 330 Lbs.	PEMOT	.....
No. 5A, Fig. 3166—4-5 H. P. Roller Bearing Single Cylinder Vertical, Air Cooled, Variable Speed with Magneto. Wt. 250 Lbs.	PVUIP	.....
No. 5R, Fig. 3167—4-5 H. P. Roller Bearing Single Cylinder Vertical, Radiator Cooled, Throttle Governed Variable Speed with Magneto. Wt. 275 Lbs.	PODOM	.....
No. 6R, Fig. 3168—6 H. P. Roller Bearing, Similar to No. 8R, only less H. P. Wt. 400 Lbs.	PATUW	.....
No. 6A, Fig. 3166—6 H. P. Roller Bearing, Single Cylinder, Vertical, Air Cooled, Variable Speed with Magneto. Wt. 222 Lbs.	PWUBE	.....
No. 8R, Fig. 3168—8 H. P. Roller Bearing Two Cylinder Vertical, Radiator Cooled, Throttle Governed, Variable Speed with Magneto. Wt. 395 Lbs.	PANWY	.....
No. 14R, Fig. 3169—14 H. P., 4 Cylinder, Radiator Cooled, with Magneto and Circulating Pump. Wt. 548 Lbs.	PUZIJ	.....
No. 20R, Fig. 3169—20 H. P., 4 Cylinder, Radiator Cooled, with Magneto and Circulating Pump. Wt. 550 Lbs.	PUWKI	.....





# MYERS SPRAY TANKS

Fig. 2516, Flat Top Tank

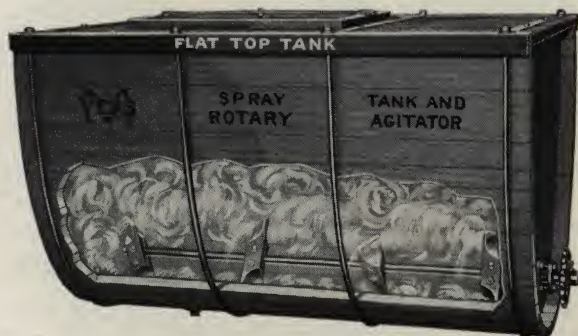


Fig. 3163, Silver Cloud Tank



**FIGS. 2516 and 3163** illustrate the Tanks and Rotary Agitator as used on Myers Spray Rigs. The Tank is made of clear Cypress free of knots and is U-shaped. The U-shape of the tank causes all undissolved mixture to settle in the center at the bottom of tank directly under the Agitator and is immediately redistributed. **A Flat-Bottomed Tank Is Not Practical.**

The Tank rests on the Rear Axle and is tied to the Channel Steel Main Sills by Steel Rods, making a Tank that will stand the maximum of abuse.

**Fitted with Lock Tight Lid and Saw Tooth Strainer—No Splashing.**

The Agitator is of the Rotary Type with Wood Blades (not affected by any kind of spray mixture) made in pairs and clamped to the Steel Shafting, which is provided with Packing Gland at one end and Grease Cup at the other. The angle face of each set of Blades is such that it drives the spray mixture in opposite directions, causing the most thorough agitation.

**Extra Charge for Agitator. See Next Page.**

## TANKS FOR REPLACEMENT (Agitators Not Included)

### PRICE LIST

**Flat Top Tanks for all Rigs or Outfits Except Row Crops.**

**Fig. 2516**

	Price
100 Gallon Tanks..PENOS .....	
150 Gallon Tanks..PENTI .....	
200 Gallon Tanks..PENUG .....	
300 Gallon Tanks..PENVE .....	
400 Gallon Tanks..POPRU .....	

**Flat Top Tanks for 2 Wheel Row Crop Sprayers Similar to**

**Fig. 2516**

	Price
100 Gallon, PVASO .....	
150 Gallon, PVAUK .....	
200 Gallon, PVAVI .....	

**Tanks for all Silver Cloud Rigs or Sprayers**

**Fig. 3163**

	Price
200 Gallon, PVAIJ .....	
300 Gallon, PVANY .....	
400 Gallon, PVAOW .....	
500 Gallon, PVAPU .....	

In ordering Replacement Tanks specify the Catalog No. of the Rig on which it is to be used.

Fig. 2441

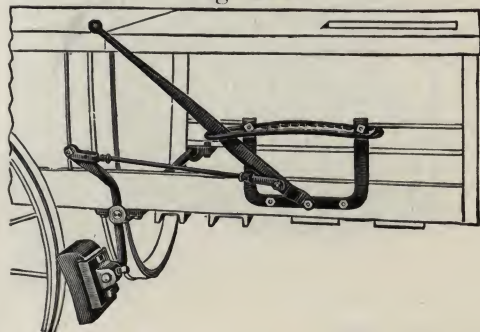


Fig. 2441, illustrates the Brake furnished for Steel Wheels as Extra Equipment on Myers Spray Rigs. It is simple and efficient. The Cross Bar is connected to the Main Sills of the Chassis. State the No. of Rig to be used on.

**Price**

For Nos. A715, A720, A724 and A778 Series Sprayers PAMCO .....

Extra Heavy for No. A731 and No. A779 Series

and all Silver Cloud Sprayers .....PIWJY .....





## THE MYERS ROTARY AGITATORS



Fig. 2223

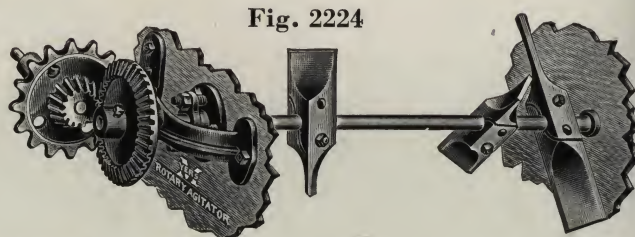


Fig. 2224

For Use with Either Chain or Belt Driven Pumps      Wood Blades Will Not Rust—Are Easily Replaced

THE steel shaft running lengthwise of the tank is fitted with rotary blades, which drive the mixture in opposite directions, thus causing a thorough agitation of the material.

### PRICE LIST, Represented by Figs. 2223 and 2224

Fig. 2223, with  $\frac{1\frac{1}{2}}{8}$ " shaft for use on all Chain or Gear Driven Pumps. Wt. 20 lbs. (State Length of Tank) ..... PEHNA

The Above, with Sprocket for Roller Chain, Add to price .....

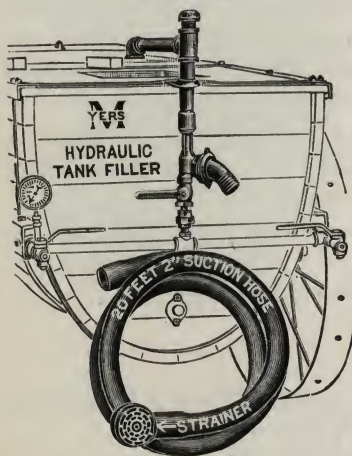
Fig. 2223, with 1" shaft for use on all Chain or Gear Driven Pumps. Wt. 22 lbs. (State Length of Tank) ..... PUWYF

Fig. 2224, with  $\frac{1\frac{1}{2}}{8}$ " shaft only for use on all Self-Oiling Belt Driven Pumps. Wt. 40 lbs. (State Length of Tank) .. PEHOY

Price

REPAIRS: See Pages 249-250, No. R40 Repair Catalog

Fig. 2327



## HYDRAULIC TANK FILLER

Vertical Distance from Water Level to Ejector Should Not Exceed  
12 Feet for Best Results

FIG. 2327 illustrates the Myers Hydraulic Tank Filler of the Ejector Type, to be used in connection with the regular spray rigs by removing the plug in the Tee in Discharge Pipe near the Hose Shut-Off, as shown in the dark parts of Fig. 2327.

### PRICE LIST, Represented by Fig. 2327

No. 153, MYERS HYDRAULIC TANK FILLER, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. Will deliver 25 gallons per minute with pump discharging 5 gallons. Wt. 51 Lbs. .... PAMIC

Price

Fig. 3069

No. 155, MYERS HYDRAULIC TANK FILLER, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. Will deliver 40 gallons per minute with pump discharging 12 gallons. Wt. 54 Lbs. .... PANYU

No. 156, MYERS HYDRAULIC TANK FILLER, complete with 20 ft. of 2 inch Suction Hose, Strainer and Hose Band. Will deliver 80 gallons per minute with 20 gallon pump. Wt. 60 Lbs. .... PUWME

## MYERS TOWER AND PLATFORM

For Silver Cloud Spray Rigs Only

FIG. 3069 illustrates the Steel Tower as used on top of the Tank. This Tower is 36" high x 20" wide x 25" long. Welded, bolted, and braced—Dependable.

The Platform has 18" x 33" Non-Skid Floor Plate welded, bolted, and thoroughly braced.

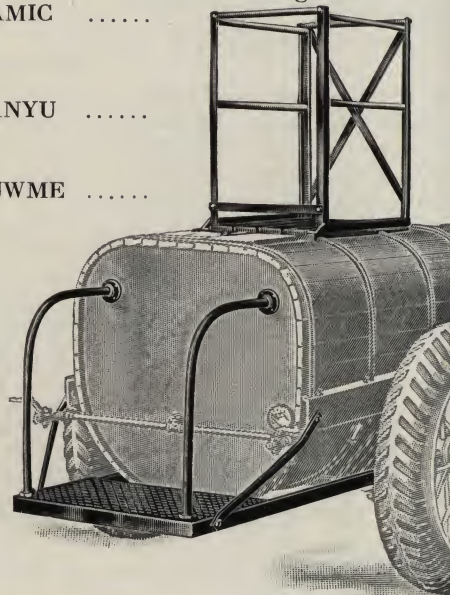
### PRICE LIST

Tower as illustrated and specified. Wt. 57 lbs. .... PORIL

Platform as illustrated and specified. Wt. 90 lbs. .... POROY

Price

In ordering give Catalog Number of Sprayer to be used on.

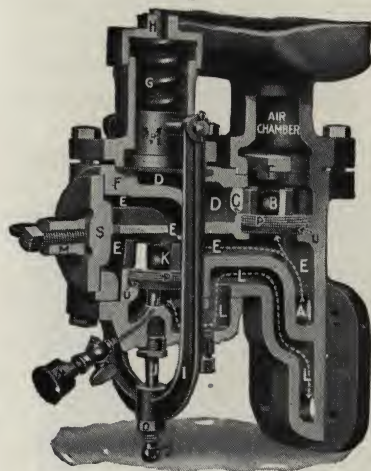






## THE MYERS UNLOADING AND PRESSURE CONTROL VALVE

Fig. 2748



**The Device That Actually Removes  
the Entire Pressure Load**

FIG. 2748 illustrates the Myers Pressure Control and Unloader, with Reversible Seats, an Extremely Simple Device with Ball Valves controlled by Diaphragm and Vanadium Steel Spring; controls the Pressure at any desired point from 150 to 500 pounds. In addition to controlling the Pressure, the special purpose of this Device is **to relieve the engine or motor of its pressure load** when Spray Guns are shut off. A wonderful invention saving Wear, Oil, Gas and Power.

### PRICE LIST, Represented by Fig. 2748

	Price
Myers Unloading and Pressure Control Valve, as used on Self-Oiling Pumps in 1932 and after. (Air Chamber Not Included).....	PIJIN .....
Unloading Valves for Older Pumps, order Fig. 2305.....	PAWIS .....

## THE MYERS JUNIOR UNLOADING VALVE

FIG. 2775 illustrates the Myers Junior Unloader, an extremely simple Device with Stainless Steel Ball Valves controlled by Diaphragm and Vanadium Steel Spring; controls the Pressure at any desired point up to 350 pounds. In addition to controlling the Pressure, the special purpose of this Device is **to relieve the engine or motor of its pressure load** when Spray Guns are shut off. A wonderful invention saving Wear, Oil, Gas and Power.

### PRICE LIST, Represented by Fig. 2775

	Price
Myers Junior Unloading Valve, as used on Spray Pumps. (Includes Pipe Connections). Wt. 17 lbs.....	PILNA .....

Fig. 2775



Fig. 2138



## MYERS PRESSURE REGULATING RELIEF VALVE

FIG. 2138 illustrates the Myers Pressure Regulating Valve designed for controlling the pressure on Power Spray Pumps. All brass with Stainless Steel Ball Valve and Brass Seat with ground surface. The Valve Stem moves vertically through guides. Can be set to operate against any pressure up to 300 pounds. Spring and adjusting parts all on the outside, no trouble from corrosion. The combination lever permits instant opening to widest point, relieving all pressure. By returning the lever to its vertical position it resumes the former predetermined pressure. Raising this lever cleans the valve and seat.

### PRICE LIST, Represented by Fig. 2138

	Price
Myers Pressure Regulating Valve for $\frac{3}{4}$ " pipe. Wt. $3\frac{1}{4}$ lbs. ....	PAWKO .....

REPAIRS: See Pages 229 to 231, No. R40 Repair Catalog





## SUCTION SEDIMENT CHAMBER AND STRAINER

### For Orchard Sprayers

Fig. 3186

Strainer  
Removed

Fig. 3186 illustrates the Myers Suction Sediment Chamber and Strainer with quick detachable cap at the bottom for removing strainer for cleaning. The liquid enters the large chamber below the center, the enlarged size of this chamber naturally checks the flow of liquid, permitting any sediment to drop to the bottom, after which the liquid passes through the circular Perforated Brass Strainer and up to the Pump. Inlet and Outlet tapped  $1\frac{1}{2}$ ".

#### PRICE LIST

Suction Sediment Chamber and Strainer. Each, Wt.  $20\frac{3}{4}$  lbs. ....PWUAG ..... Price

REPAIRS: See Page 256, No. R40 Repair Catalog

## DISCHARGE SEDIMENT CHAMBER AND STRAINER

### For Field and Row Crop Sprayers

Fig. 2515

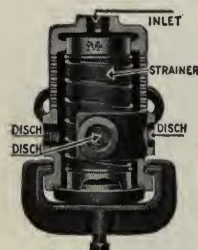
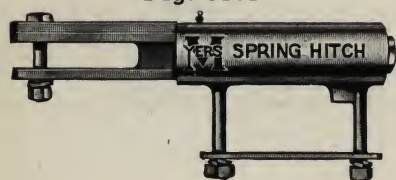


Fig. 2515 shows the Myers Discharge Sediment Chamber and Strainer which is located in the Discharge Line between the Pump and the Nozzles. The Strainer is Perforated Brass,  $2\frac{1}{2}$ " x 6", enclosed in the Sediment Chamber, which is  $3\frac{1}{4}$ " x 6". Has ample space for sediment to collect in the lower part and have the upper part of strainer clear for the mixture to pass to the Nozzles. This device eliminates the troublesome clogging of the nozzles to the greatest extent possible. Can be instantly dismantled for cleaning by removing the yoke at the lower end which is accomplished by loosening one set screw.

Each, Weight  $11\frac{3}{4}$  lbs. ....PAMUD ..... Price

REPAIRS: See Page 256, No. R40 Repair Catalog

Fig. 3161



## SPRING HITCH

Myers Spring Hitch, Fig. 3161, eliminates the jarring and jolting which is frequently encountered in starting and stopping a tractor towed sprayer. The heavy compression spring in the cylinder removes the shock perfectly. ....PVAER ..... Price

## VINE LIFTER

The Myers Vine Lifter, Fig. 3174 is available for most Myers Row Crop Sprayers. It raises Vines or Stems in front of the Sprayer wheels preventing plant injury.

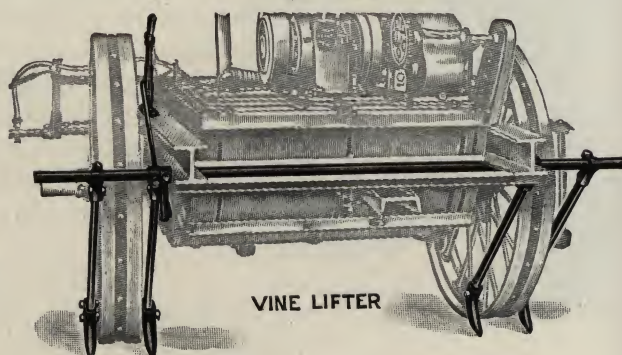
#### PRICE LIST

Fig. 3174 Vine Lifter. ....PWDOU ..... Price

(When ordering always give catalog number of Sprayer)

REPAIRS: See Page 204, No. R40 Repair Catalog

Fig. 3174



VINE LIFTER

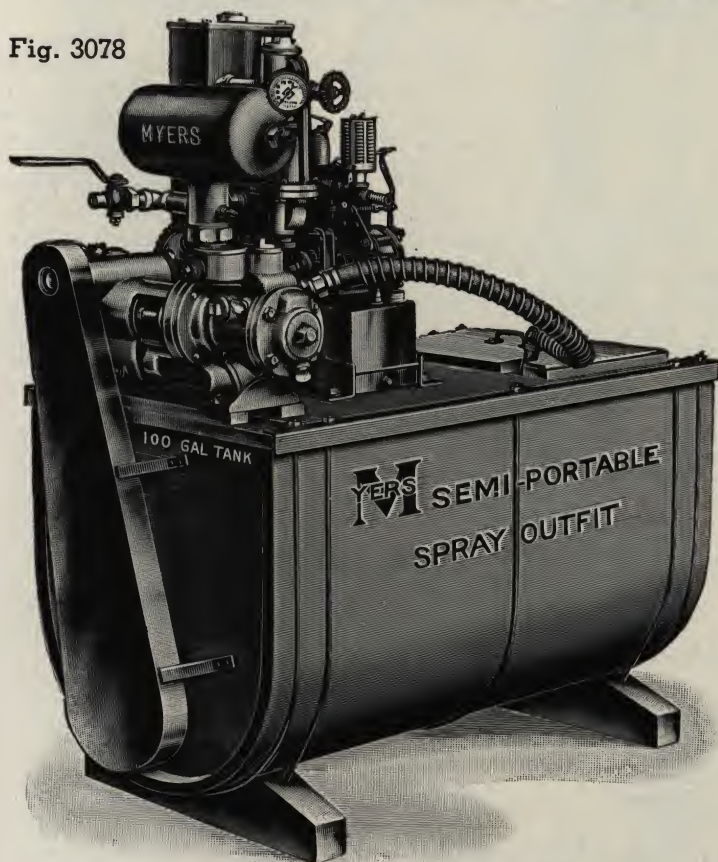




## MYERS SEMI-PORTABLE SKID TYPE POWER SPRAYERS

5-7 G.P.M. Pump    250 or 300 Lbs. Pressure    2 or 3 HP Engine    1½ or 2 HP Motor

Fig. 3078



The compact mounting arrangement, with the engine and pump on top of tank, make this a popular sprayer for mounting in short bodied trucks like those used by landscape gardeners and custom spraymen. Also popular as a stationary unit for greenhouse service.

Sturdy and compact, it carries the Myers Junior Bulldozer Self-Oiling Pump, 100 gallon Ageless Cypress corrosion proof tank, with rotary type agitator, and is furnished with engine or motor for power. Completely equipped for high pressure spraying or whitewashing, its quality is known and supported by performance records under many different conditions.

Whether used as a stationary plant or placed on truck or other conveyance for transportation from place to place, it can be depended upon to give years of profitable service.

### SPECIFICATIONS

**PUMP**—Myers Bulldozer Junior Self-Oiling Pump 5-7 GPM capacity at 250 or 300 lbs. depending on HP of Engine or Motor used.

**PRESSURE UNLOADER**—Automatically controls pressure and relieves Pump and Engine of load when guns are shut off. For complete description see Page 268.

**ENGINE**—2 HP, No. 2VH, Fig. 2712, Hopper Cooled Vertical Roller Bearing. Throttle Governed, 1200 RPM, Back Geared 2 to 1, with Magneto.

3 HP, No. 3VR, Fig. 2712, Radiator Cooled, otherwise same as No. 2VH.

**MOTOR**—1½ HP or 2 HP—110/220 Volt—60 Cycle—Single Phase.

**DRIVE**—Roller Chain on Engine Powered; V Belt on Motor Powered Sprayers.

**TANK**—Ageless Cypress, corrosion proof, round bottom for complete agitation.

**AGITATOR**—Rotary, with Wood Blades, Roller Chain Drive enclosed in Steel Guard.

**FLOOR SPACE**—36" x 52" x 58" High. Width can be reduced to 30" by cutting off end of skids.

**ACCESSORIES INCLUDED IN PRICES**—Pressure Gauge, Cut-Off, 50 feet of ½" Myers High Pressure Spray Hose with Fittings, one No. 13 Gun, Chain and Sprockets or V-Belt Drive Depending on Power.

**EXTRAS**—No. 794 Series Sprayers—For 1½ HP, 220-440 V., 60 Cycle, 3 Phase Motor—.....Deduct.....  
For 2 HP, 220-440 V., 60 Cycle, 3 Phase Motor—.....Deduct.....

Catalog Number	Pump Number	Pump GPM	Pressure	Power	Tank Gals.	Weight Pounds	CODE	Price
789-2EGH1	696	5	250 lbs.	2 HP Engine	100	750	PUPNI	.....
789-3EGH1	696	6	300 lbs.	3 HP Engine	100	750	PUPOG	.....
794-1½MGH1	697	7	250 lbs.	1½ HP Motor	100	750	PUPRA	.....
794-2MGH1	697	7	300 lbs.	2 HP Motor	100	765	PUPSY	.....

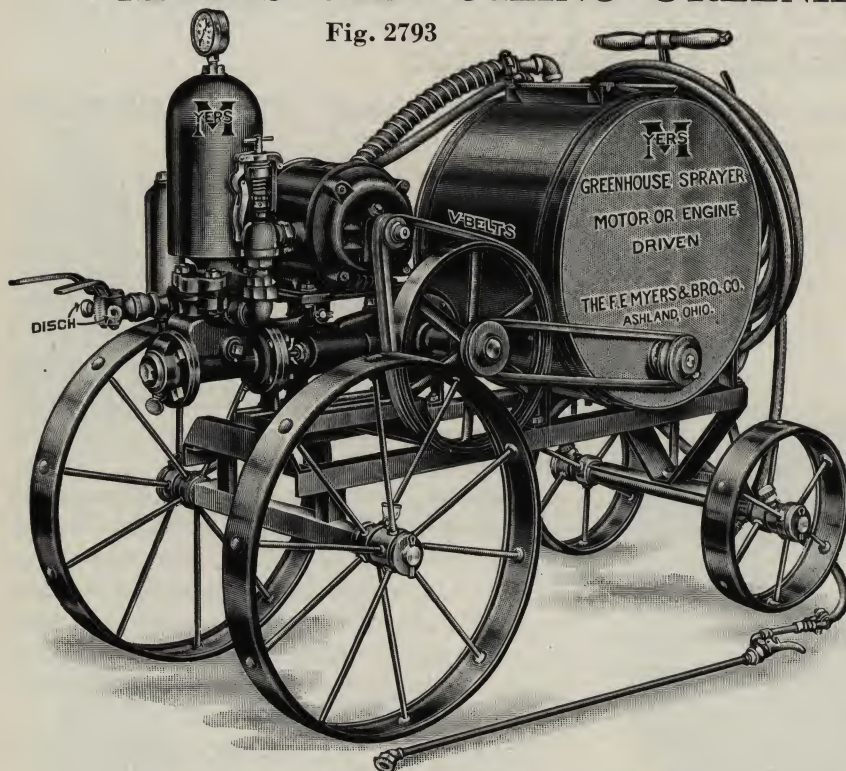
REPAIRS: See Page 228, No. R40 Repair Catalog





# MYERS SELF-OILING GREENHOUSE SPRAYER

Fig. 2793



Floor Space: Width 27½". Length 57", Height 43"  
Capacity: 3 Gallons per Minute

## Motor or Engine Driven

For Greenhouse, Truck Grower, Nursery or Small Estate

**T**HE Myers Self-Oiling Portable Greenhouse Sprayer as illustrated is specially designed for High Pressure Spraying or White-washing.

**TRUCK**—short-turn, cut-under, with Angle Steel Arc-Welded Frame. **WHEELS**—rear 24", front 14" in diameter with 3" Rolled Rim Tires. Tread 22". **AXLES**—1½". 25 Gallon Galvanized Tank with Rotary Agitator.

**POWER**—Repulsion-Induction Motor, or Full Power High Speed Air-Cooled, Easy Starting Engine.

**PUMP**—See Page 303.

## PRICES ON THESE SPRAYERS INCLUDE

One 50 ft. length of ¾" High Pressure Hose, 36" Brass Extension with 45 Degree Lever Controlled Spray Nozzle, Fig. 2138 Pressure Regulating Valve, Pressure Gauge and Double Lever Cut-Off Discharge.

## PRICE LIST, Represented by Fig. 2793

No.	Power	Capacity Gal. per Minute	Maximum Pressure	Weight Lbs.	CODE	Price
800	¾ HP Motor	3	300 lbs.	400	POBEJ	.....
801	1 HP Engine	3	300 lbs.	415	POBIB	.....

Extra 50 ft. lengths of ¾" High Pressure Hose with 36" Brass Pipe Extension and Nozzle, complete with Fittings. Extra equipment see accessories. PIMES

No. 799, Pump only, See Page 303.

Fig. 2894, Self-Oiling Sprayer, a practical Stationary Outfit for general spraying; also for whitewashing the exposed top surface of coal when loaded on cars at the tippel. Reduces possibility of loss by theft in transit. This Sprayer is the same as described above under Fig. 2793, without the Truck, Hose or Nozzles.

Floor Space Length 59", Height 28", Width 19".

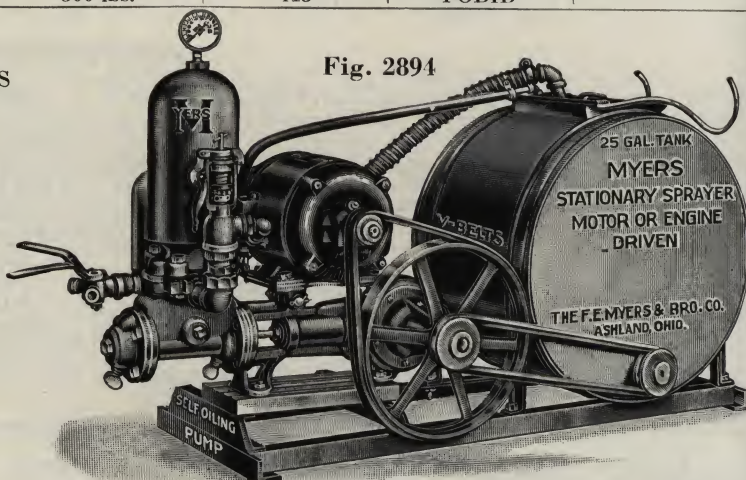
## PRICE LIST, Represented by Fig. 2894

No.	Power	Capacity Gal. per Minute	Maximum Pressure	Tank Gallons	Weight Lbs.	CODE	Price
802	¾ HP Motor	3	300 lbs.	25	275	PIZWU	.....
803	1 HP Engine	3	300 lbs.	25	290	POBAR	.....

50 ft. lengths of ¾" High Pressure Hose with 36" Brass Pipe Extension and Nozzle, complete with Fittings. Extra Equipment. Weight 13 lbs. See Spray Accessories ..... PIMES

**REPAIRS:** See Pages 236 to 238, No. R40 Catalog

Fig. 2894

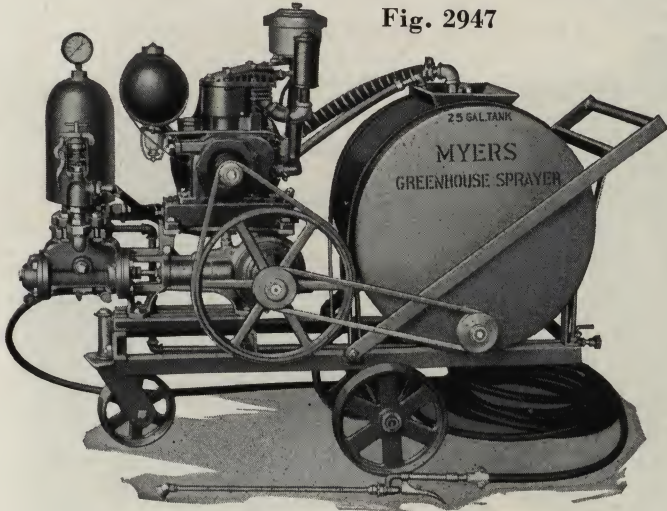






MYERS SELF-OILING GREENHOUSE SPRAYER

Fig. 2947



Engine or Motor Driven

THE Myers Self-Oiling Portable Greenhouse Sprayer with Rotary Agitator, specially designed for High Pressure Spraying or Whitewashing, is equipped with the Myers Self-Oiling Pump, No. 799, see page 303.

TRUCK—Short-turn, 32" radius, with Angle Steel Arc-Welded Frame. WHEELS—Cast Iron, Rear 10", Front 7" Castor.

POWER—Full Power High Speed Air-Cooled, Easy Starting Engine.

OVER-ALL DIMENSIONS, Width 19", Length 55", Height 42". Turning Radius, 32".

Accessories included in Prices—One 50 foot length 3/8" High Pressure Discharge Hose, 18" Brass Extension, 45° Nozzle with Hand Lever Control, Fig. 2138 Pressure Regulating Valve, Pressure Gauge, Cut-offs with Hose Connections both front and rear.

EXTRAS—For Solid Rubber Tired Wheels, ..... Add .....  
If with 3/4 HP, 110/220 V. 60 cycle, single phase A.C. Repulsion-Induction Motor, ..... Deduct .....  
Extra 50 ft. lengths of 3/8" High Pressure Hose with 36" Brass Pipe Extension and Nozzle, complete with Fittings. Weight 13 lbs. See Spray Accessories, ..... PIMES

Catalog Number	Power	Capacity Gal. per Minute	Maximum Pressure	Galv. Tank Gallons	Weight Lbs.	CODE	Price
804	1 HP Engine	3	300 lbs.	25	325	POBRI	.....

MYERS SELF-OILING PORTABLE POWER SPRAYER

Engine or Motor Driven

For Small Estate, Nursery, Truck Grower or Greenhouse

300 Pounds Pressure  
3 Gallons per Minute

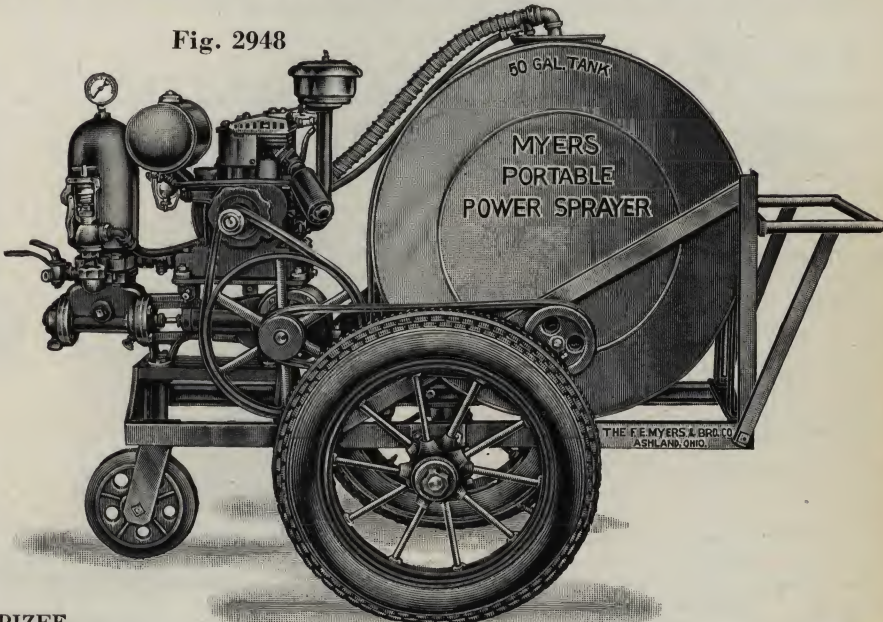
General Description same as above Greenhouse Sprayer, except Wheels, Tank and Discharge Cut-off, which are as specified in list below.

DIMENSIONS — Height 47", Width 33 1/2", Length 77", Turning Radius 40"

PRICE LIST,  
Represented by Fig. 2948

- No. 787R, Myers Portable Power Sprayer with 50 Gallon Galv. Tank, 1 HP Engine, as illustrated, with 2 Roller Bearing Wheels fitted with 4.00 x 18", 2-ply Pneumatic Rubber Tires and 10" Solid Rubber Tired Castor Wheel, and with Double Lever Cut-off, equipped as above. Wt. 550 lbs. PIZEF .....  
No. 787S, Myers Portable Power Sprayer, same as No. 787R except with Two 24" x 3" Steel Wheels and 10" Iron Castor Wheel. Weight 550 Lbs. .... PIZOK .....  
If with 3/4 HP, 110/220 Volt, 60 Cycle, Single Phase A. C. Repulsion-Induction Motor, ..... Deduct .....  
Extra 50 ft. lengths of 3/8" High Pressure Hose with 36" Brass Pipe Extension and Nozzle, complete with Fittings. Wt. 13 lbs. See Spray Accessories ..... PIMES

REPAIRS: See Pages 236 to 238, No. R40 Repair Catalog



Price

SPRAY ACCESS. POWER WASHERS. HAY TOOLS. DOOR H. TORE L. ENG. DATA. INDEXES.





# MYERS SELF-OILING BERRY SPRAYER

Fig. 2925

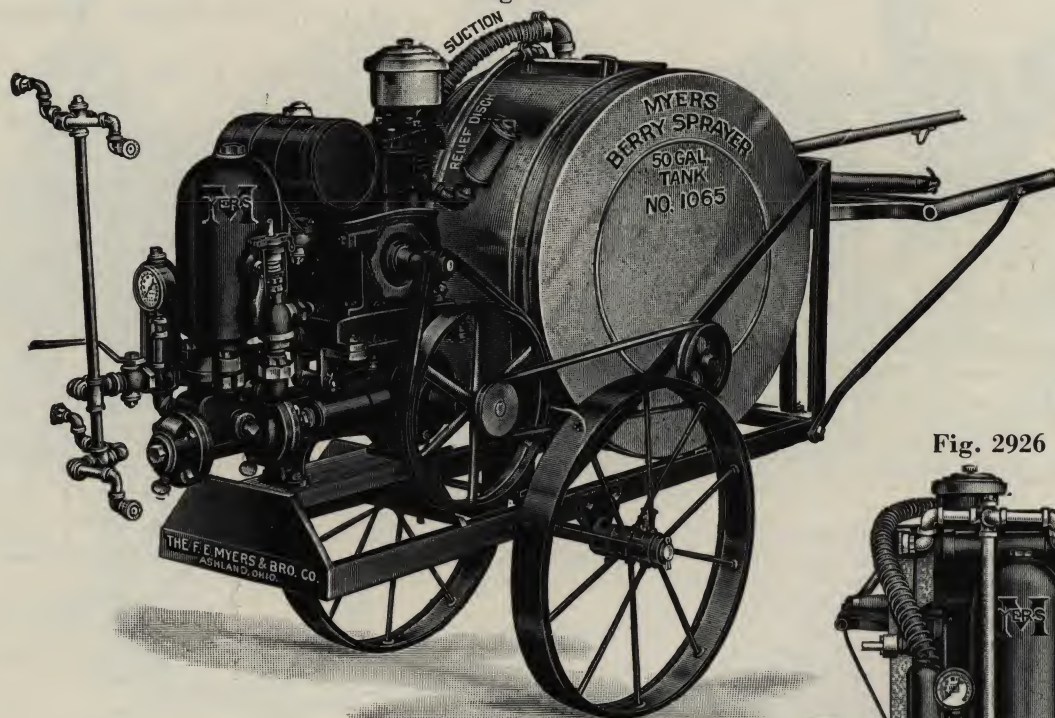
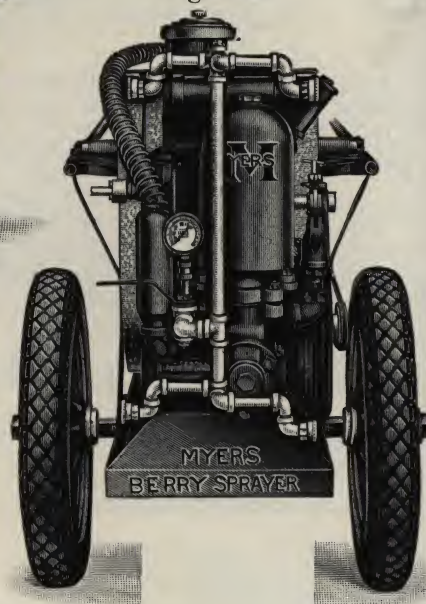


Fig. 2926



The Myers Self-Oiling Berry Sprayer as shown above, specially designed for High Pressure Spraying or Whitewashing, is equipped with the Myers Self-Oiling Pump, No. 799, see page 303.

Frame—Angle Steel Arc-Welded.

Wheels—Steel 24" with 3" rolled rim. Axle, 30" over-all—or—  
Roller Bearing Wheels fitted with 4.00 x 18"—2 Ply  
Rubber Tires. Axle 33½" over-all.

Height—48".

Engine—1 Horse Full Power High Speed Air Cooled, Easy Starting.

Boom—Mounted in *Center of the Rig* with short nipple and  
street ells connecting the 4 adjustable nozzles. (See Fig. 2926)  
This permits the spray to spread and cover the entire bushes  
in narrow rows.

Tank—50 Gallon Galvanized Iron with Rotary Agitator.

Rear View

Note: The Spray Boom is located in the *center* with Short Nipples connecting the Spray Nozzles, allowing full spread of the Spray before coming in contact with the bushes or vines—  
**Complete Coverage.**

## PRICE LIST

	Price
No. 1065S, Myers Self-Oiling Berry Sprayer, Fig. 2925, with 24 x 3" Steel Wheels, complete with Boom, Weight 500 lbs. ....	PIWON .....
No. 1066R, Myers Self-Oiling Berry Sprayer, Fig. 2926 with Roller Bearing Wheels and 4.00—18" two ply rubber tires and tubes. Complete with Boom. Weight 561 lbs. ....	PIWUB .....
No. 1067, Myers Self-Oiling Berry Sprayer <i>without Wheels and Axle</i> , but with Brackets for attaching Front Spindles and Wheels of Ford Model T. Includes Boom. Weight 465 lbs. ....	PIWYT .....
If any of above Sprayers are wanted <b>without Boom</b> , ....	<b>Deduct</b> .....
50 ft. lengths of ¾" High Pressure Hose with 36" Brass Pipe Extension and Nozzle, complete with Fittings. Extra Equipment. Wt. 13 lbs. See Spray Accessories .....	PIMES .....

**REPAIRS:** See Pages 236 to 238, No. R40 Repair Catalog





# MYERS SELF-OILING DOUBLE ACTING SPRAY PUMP

Capacity 3 Gallons per Minute

300 Pounds Pressure

Used on Greenhouse, Berry and Small Portable Sprayers

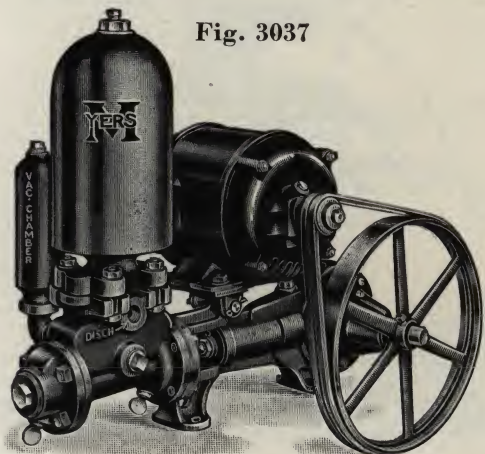


Fig. 3037

**FIG. 3037** Self-Oiling Spray Pump is Double Acting Reciprocating Type. All moving parts are fully enclosed, operating in oil (Oils itself). Dependable.

**Cylinder**— $1\frac{1}{4}$ " Diameter, Steel Tube Porcelain Lined inside and Rust Protected outside, Removable; Stainless Steel Ball Valves on Brass Valve Seats located under the Air Chamber.

**Plunger**—Double Cup Leather removable as a complete unit through opening in Cylinder Body Head.

**Drive**—Direct, Semi-Steel Eccentric Link  $\frac{3}{4}$ " Bearing—No Gears.

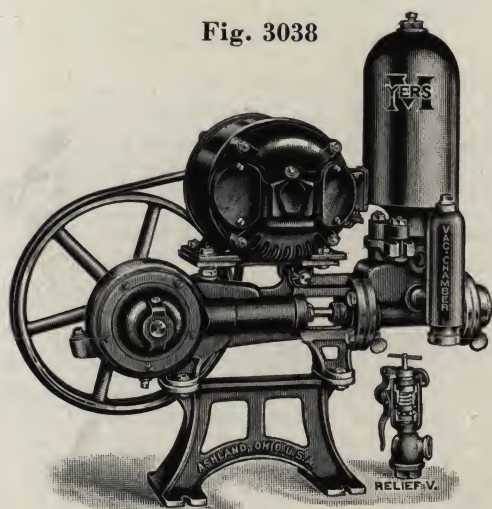
**Crosshead**—Oversize, 2" x  $2\frac{1}{2}$ " in length. Piston Rod Stainless Steel.

**Power**—Either  $\frac{3}{4}$  HP Motor or 1 HP 1750 RPM Gasoline Engine.

## PRICE LIST, Represented by Fig. 3037

	Price
No. 799, Pump only <i>without</i> Motor Base, Motor, or any Equipment. Wt. 136 lbs. ....	POLAH ....
No. 799A, Pump <i>with</i> Motor Base only. Wt. 138 lbs. ....	POLEZ ....
No. 799M, Pump <i>with</i> Motor Base, $\frac{3}{4}$ HP, 60 Cycle, 1 Phase, A. C. Motor, and V Belts, as shown in Fig. 3037. Wt. 195 lbs. ....	POLIR ....
No. 799E, Pump <i>with</i> Engine Base, 1 HP B. & S. Gasoline Engine and V Belts. Wt. 190 lbs. ....	POLRY ....
For Fig. 2138 Relief Valve .....	PAWKO ....
For Pressure Gauge, Double Lever Cut-off, Hose, Nozzles, etc. (See Spray Accessories.)	

Fig. 3038



# MYERS SELF-OILING SPECIAL SPRAY OR HIGH PRESSURE PUMP

Capacity 3 Gallons per Minute

300 Pounds Pressure

**FIG. 3038** Self-Oiling Special High Pressure Pump is the same Pump as described above, under Fig. 3037, except that it includes a Base under the Pump; also a Relief Valve and different Vacuum Chamber. Suction and Discharge can be connected to either side of the Pump.

## PRICE LIST, Represented by Fig. 3038

	Price
No. 808, Pump less Motor only, but with Relief Valve. Wt. 140 lbs. ....	POLTU ....
No. 808M, Pump with $\frac{3}{4}$ HP, 60 Cycle, 1 Phase, A.C. Motor, Belts, and Rel. Valve. Wt. 215 lbs. ....	POLUS ....
No. 808E, Pump with 1 HP, B. & S. Gasoline Engine, Belts, and Rel. Valve. Wt. 205 lbs. ....	POLWO ....
For Pressure Gauge, Double Lever Cut-off, Hose, Nozzles, etc. (See Spray Accessories.)	

REPAIRS: See Pages 237 to 238, No. R40 Repair Catalog





# MYERS *Silver Prince* PORTABLE SPRAYER

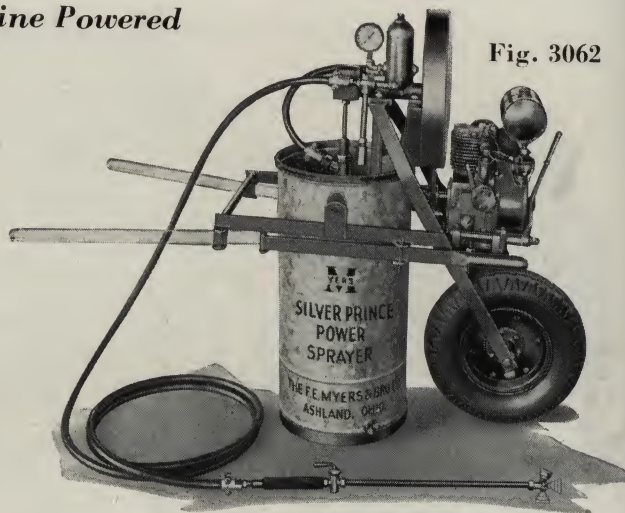
Fig. 3237



Motor Powered

Motor or Engine Powered

Fig. 3062



Engine Powered

Here is a compact, portable wheelbarrow type Power Sprayer with ample pressure to insure the successful and economical application of—Water Paints, Disinfectants, Insecticides, Whitewash and other solutions.

It solves the small sprayer problem for Greenhouse Operators, Estate and Home Owners; Mushroom, Fruit and Tobacco Growers; Truck and Landscape Gardeners; Poultrymen, Dairymen, Golf Course Greenskeepers, Nurserymen, and others.

Light in weight and well balanced for easy handling it provides all the advantages of high pressure spraying at remarkably low investment cost. One-man control and operation, saves both time and money by enabling the owner to do his own spraying without outside aid. A novel oscillating pump supplies 225 pounds pressure at the nozzle and keeps spray mixture thoroughly agitated. Handles fold (see Fig. 3062) so sprayer can be freely moved about in narrow aisles or between closely set rows.

Catalog Number	Wheel	Standard Pressure	Standard Power	Tank Gals.	Wt.	Code	Price
806-MGHS	Steel	225 lbs.	Motor	12½	180	PUYOX	
806-MGHR	Rub. Tire	225 lbs.	Motor	12½	180	PUYUL	
806-EGHS	Steel	225 lbs.	Engine	12½	182	PUZAZ	
806-EGHR	Rub. Tire	225 lbs.	Engine	12½	182	PUZER	

Better results can be secured for reaching higher trees by taking the whirler disc out of the nozzle, or if specified on order Fig. 2097 Bordeaux Nozzle which is adjustable for a fine mist or a long distance stream will be furnished instead of the Fig. 3219.

Fig. 3121



Fig. 3122

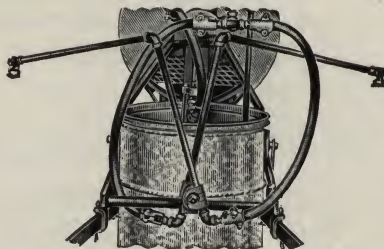


Fig. 3123



Figs. 3121, 3122 and 3123 illustrate a few of the adjustments to which the Boom is adapted. The Boom is adjustable to any width rows from 30" to 62" .....PUYLE .....

REPAIRS: See Pages 238-240, No. R40 Repair Catalog

## SPECIFICATIONS

FRAME—All Steel, Arc Welded. Handles can be folded or reversed on hinge pins to make 15" over-all width.

TANK—12½ Gallons, Galvanized, with brass drain plug.

PUMP—No. 772 Porcelain lined, Double Acting, 225 lbs. pressure, Ball Bearing Wrist Pin, Bronze Bearing Pulley Shaft Relief Valve.

AGITATION—Mechanical Agitation, accomplished by oscillation of suction pipe and strainer.

POWER—Motor—¼ H.P., 110 Volts, 60 Cycle, S.P., A.C., 1750 R.P.M. V-belt Drive.

Engine—½ H.P., High Speed 4 Cycle, Air Cooled.

WHEEL—Rubber Tire—4.00-8 Pneumatic. Steel—15½" Diameter—3" tire.

REGULAR EQUIPMENT INCLUDES—15 feet ¾" hose, Lever Shut-off, Fig. 3219 Adjustable Nozzle, 18" Pipe Extension and 300 lb. Pressure Gauge. 50 feet of cord and plug supplied with Motor Driven Sprayers.

EXTRAS—

Fig. 2097, Bordeaux nozzle, Wt. 6 ozs. PEBRY \$1.20



# SPRAY PUMP ACCESSORIES

Pages 305 to 313

## THE MYERS *Silver Spray* POWER GUN

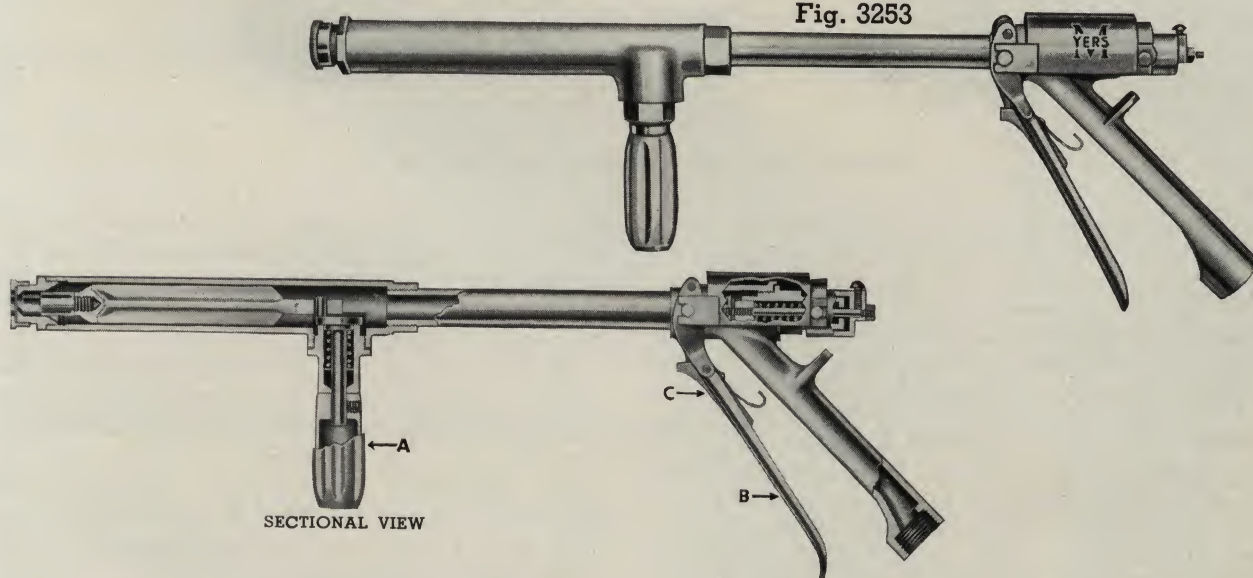
PATENTED

FOR HIGH PRESSURE AND LARGE CAPACITY

Modern Design—Light Weight—Responsive Control

Assures Faster, Easier, Better Spraying

Fig. 3253



The Myers Silver Spray Power Gun is of new and proven design. It is primarily intended for use with present day high pressure, large capacity power spray pumps.

With many new and novel features this gun brings growers one of the most outstanding improvements in power spraying in years. The combination of the pistol grip handle and the position of the adjusting handle afford a natural and easy position for the operator to hold, carry and point the gun. It also gives the operator a firm grip on the gun against the recoil resulting from the discharge of the liquid at high pressures. Spray adjustment is accomplished easily and quickly with one half turn of handle "A" which adjusts the discharge from a long distance spray to a broad fine spray. The control trigger "B" opens and

closes the gun. The built-in locking device "C" trips with finger pressure, instantly closing the gun preventing unnecessary waste of solution.

The gun barrel, handles and other main outside parts are aluminum — light in weight but strong. The valve, spray disc, springs and other internal parts which come in contact with the spray material are stainless steel or brass for long life and freedom from wear and corrosion. The nozzle disc and valve disc are interchangeable for convenience in emergency. Objectionable tightening of packing nuts is eliminated, packing being spring loaded. The unique patented design of this gun allows removal of guard and sleeve by loosening two screws for renewing packing and valve facing. No special tools required for servicing. Capacity Chart with each gun.

Catalog Number	Hose Swivel	Length Inches	Maximum Capacity	Weight	Code	Price
401	None	22	35 GPM	3 1/3 lbs.	PWUDA	\$14.00
401S	Fig. 3153	25	35 GPM	5 lbs.	PWUEY	17.00

Three Discs of various capacities furnished with each gun.

SPRAY ACCESS. POWER WASHERS HAY TOOLS DOOR H. TORE L. ENG. DATA INDEX



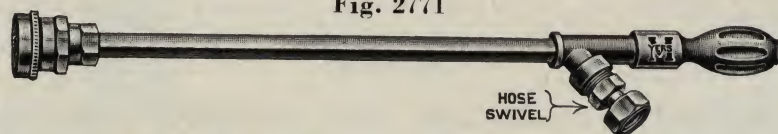


# THE MYERS SPRAY GUN

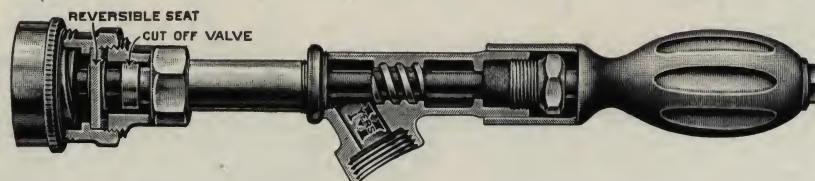
Length Over-all, 25 Inches

With Stainless Steel Disc

Fig. 2771



The Hose Swivel Removes All Twists in the Hose



Showing Sectional View of Working Parts

The Myers Spray Gun illustrated above is the last word in Spray Guns of this class. The ordinary Spray Gun is so constructed that the Nozzle Cap and Spray Disc **cannot** be removed for cleaning purposes until the user has made a trip back to the Sprayer and closed the Discharge Valve, after which the Nozzle Cap may be removed. This results in a lot of lost time, and also all of the Spray Material contained in the 50 ft. length of Discharge Hose.

In the Myers Gun, all of these objectionable features have been removed, as it is equipped with a Fiber Cut-off Valve with Reversible Brass Seat in the Nozzle Head back of and independent of Spray Disc. The pressure being back of the Cut-off Valve

eliminates all leaks as the Gun remains closed by the pressure in the Hose, permitting the Nozzle Cap to be removed instantly for cleaning purposes without loss of time or Spray Material. All parts easily removed for repairs.

The Gun is made entirely of Brass (Non-Corrosive). It delivers a long distance spray, reaching the top-most branches of the highest fruit trees. This long distance spray can be instantly changed to a very broad, penetrating spray for the lower or near-by branches, or it can be shut off entirely. This entire range of spray and cut-off are accomplished by three quarter turn of the handle.

## PRICE LIST, Represented by Fig. 2771

	Price
No. 12, Myers Spray Gun, WITHOUT Hose Swivel. Wt. 3½ Lbs. .... PITAT	\$7.00
No. 13, Myers Spray Gun, WITH Fig. 2772 Hose Swivel. Wt. 3½ Lbs. .... PITEL	8.00

## MYERS HIGH TREE GUNS

At 400 Pounds Pressure Will Deliver Spray 50 Feet High.

At 600 Pounds Pressure Will Deliver Spray 75 Feet High.

Fig. 2232

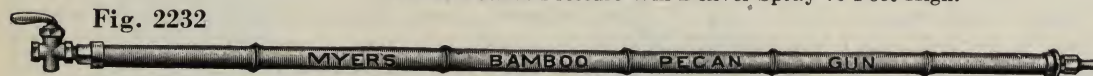


Fig. 2960

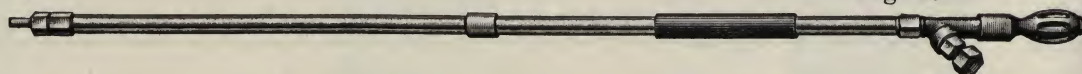


Fig. 2232, A 10 ft. Bamboo Gun lined with ¼" Pipe, with Brass Nozzle. Wt. 7¼ lbs. Each. .... PAZVO	Price \$5.50
Fig. 2960, Aluminum Gun, 6 ft. in length, with center joint; fitted with Brass Nozzle and Fig. 2772 Swivel Hose Connection. A slight turn of the hand opens or closes the Gun. Wt. 3¾ lbs. .... PIYUZ	9.00

REPAIRS: See Pages 232 to 234, No. R40 Repair Catalog

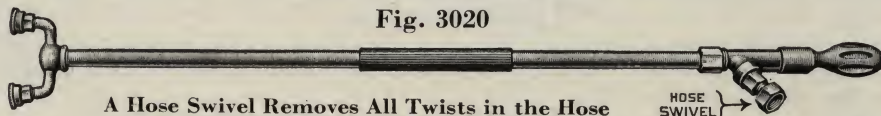




# MYERS PERFECT-FOG SPRAY GUNS

*Length over-all 40"*

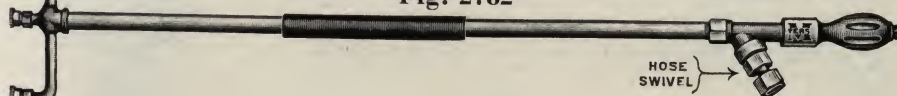
Fig. 3020



A Hose Swivel Removes All Twists in the Hose

HOSE SWIVEL

Fig. 2782



HOSE SWIVEL

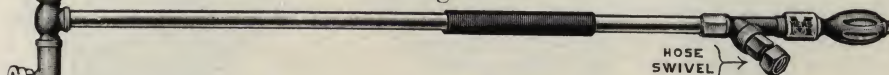
Fig. 2783



HOSE SWIVEL



Fig. 2972

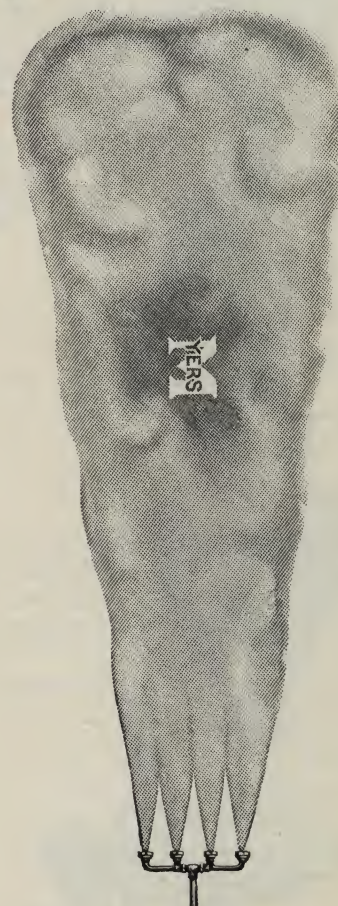


HOSE SWIVEL

STAINLESS STEEL SPRAY DISCS

Fig. 2784

Aluminum Pipe Extension, Length 30". See Repair Catalog.



Illustrates the Spray

The Myers Perfect-Fog Spray Guns (with Hose Swivel) which produce a **broad fine Fog Spray, with Long Distance Drive**, that carries up to 30 feet, depending on the Pressure. Assures complete coverage—Economical. **Does not leak.** Has Rubber

Hand Hold.

The Nozzle Head and Handle are made of Aluminum Alloy, with  $\frac{1}{2}$ " aluminum pipe, light and strong. The 4 and 6 Nozzle Heads can be set to spray at any desired angle (see Fig. 2972.)

**CAPACITY:**  $\frac{1}{16}$ " hole in disc delivers one gallon per minute for each nozzle  
 $\frac{5}{64}$ " hole in disc delivers two gallons per minute for each nozzle

## PRICE LIST, Represented by Figs. 3020, 2782, 2783 and 2972

		Price
No. 31A	Myers Perfect-Fog Double Spray Gun with Aluminum Pipe without Hose Swivel. Wt. $3\frac{3}{4}$ lbs.....	POFEF \$ 8.00
No. 32A	Fig. 3020 Myers Perfect-Fog Double Spray Gun with Aluminum Pipe with Fig. 2772 Hose Swivel. Wt. $3\frac{1}{4}$ lbs. ....	POFOK 9.00
No. 35	Myers Perfect-Fog Triple Spray Gun with Aluminum Pipe without Hose Swivel. Wt. $3\frac{1}{2}$ lbs. ....	PISGI 9.25
No. 36	Fig. 2782 Myers Perfect-Fog Triple Spray Gun with Aluminum Pipe with Fig. 2772 Hose Swivel. Wt. $3\frac{1}{2}$ lbs. ....	PISKA 10.25
No. 47	Myers Perfect-Fog Quadruple Spray Gun with Aluminum Pipe without Hose Swivel. Wt. 4 lbs. ....	PITID 10.50
No. 48	Fig. 2783 Myers Perfect-Fog Quadruple Spray Gun with Aluminum Pipe with Fig. 2772 Hose Swivel. Wt. 4 lbs. ....	PISUF 11.50
No. 60	Myers Perfect-Fog Sextuple Spray Gun with Aluminum Pipe without Hose Swivel. Wt. $4\frac{3}{4}$ lbs. ....	POBTE 13.50
No. 61	Fig. 2972 Myers Perfect-Fog Sextuple Spray Gun with Aluminum Pipe with Fig. 2772 Hose Swivel. Wt. $4\frac{3}{4}$ lbs. ....	POBUC 14.50
	3 Nozzle Head with Nozzles only. Wt. $\frac{1}{2}$ lb. ....	PINER 4.50
	4 Nozzle Head with Nozzles only. Wt. 1 lb. ....	PINIJ 5.75
	6 Nozzle Head with Nozzles only. Wt. $1\frac{3}{4}$ lbs. ....	POBVA 9.00

**REPAIRS:** See Pages 232 to 234, No. R40 Repair Catalog





## MYERS SPRAY NOZZLES

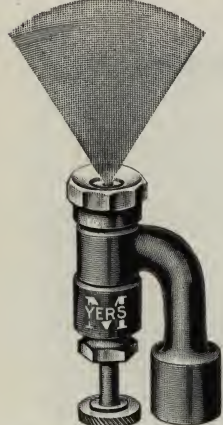
All Myers Nozzles are made of Cast Brass and fitted with Hard Stainless Steel Discs  
Long Service

Fig. 1564

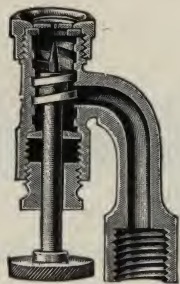
We manufacture a complete line of nozzles for the smallest hand pump to the largest power outfit.

The best results are obtained by covering the entire *Surface* and with *just as little in one place as possible.*

All nozzles fitted with standard  $\frac{1}{4}$  inch pipe thread. Put up in individual boxes, making a convenient package for placing on shelf.



Graduating Vermorel  
Nozzle  
PEBIR \$ .90  
(5 oz.)



Sectional View of  
Fig. 1564



Shows Open Cap  
and Removable  
Spray Disc; also  
Packing Ring.



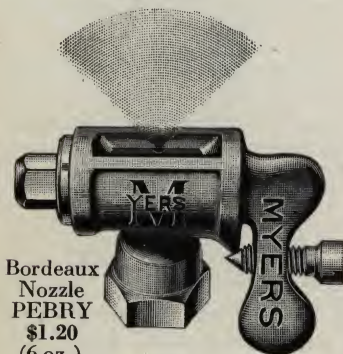
Fig. 1563

Regular Vermorel  
Nozzle  
PEBEZ \$ .90  
(5 oz.)

FIG. 1564 is constructed on the general plan of the regular Vermorel Nozzle, with the improvement that the spray can be graduated from a fine mist up to a solid spray, carrying the stream a much greater

Fig. 2097

distance. This is accomplished by adjusting the screw plunger by means of a thumb nut. The disgorger is operated by the screw plunger instead of spring as in Fig. 1563.

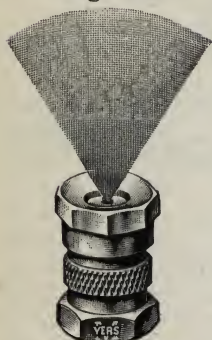


Bordeaux  
Nozzle  
PEBRY  
\$1.20  
(6 oz.)

Fig. 642

Fig. 2097, Bordeaux Nozzle, will throw a fine fan-shaped spray and by reversing the cock handle will readily free itself should it become clogged. It will throw a solid stream or it may be shut off altogether, as desired. Has double face—gives greater wear. Recommended for whitewashing.

Fig. 642, Imperial Nozzle has removable Cap and Disc. Delivers a fine spray.

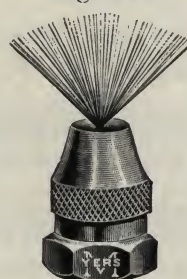


Imperial Nozzle  
PEBWO \$ .45  
(3 oz.)



Shows Open Cap  
and Removable  
Spray Disc;  
also  
Packing Ring.

Fig. 548



Sprinkling Nozzle  
PEBYK \$ .35  
(2 oz.)

Fig. 550



Cyclone, Nozzle  
Side Outlet  
PEBTU \$ .55  
(4 oz.)

Fig. 1342



All Myers Spray Nozzles are put up in individual boxes as shown in Fig. 1342, making a convenient package for placing on shelf.

REPAIRS: See Page 254, No. R40 Repair Catalog





## MYERS SPRAY NOZZLES

All Myers Spray Nozzles Have Hard Stainless Steel Discs. All Myers Fembro and Jumbo Nozzles have Reversible Stainless Steel Whirl Plates and Brass Cone Strainers.

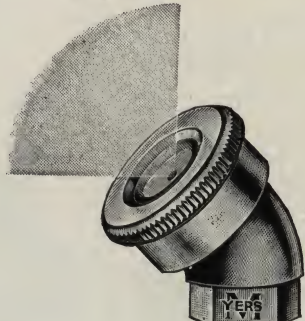
Myers Spray Nozzles are put up in individual boxes, making a convenient package for placing on shelf. All nozzles fitted with standard 1/4 inch pipe thread

Fig. 3212



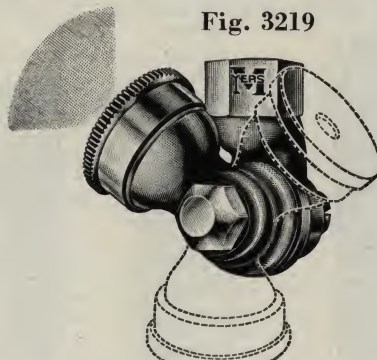
Fembro Nozzle (Female)  
PWOJU \$ .75 (4 oz.)

Fig. 3214



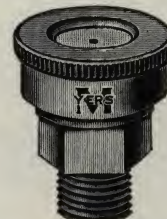
Fembro 45° Nozzle  
PWOMO \$ .85 (4 oz.)

Fig. 3219



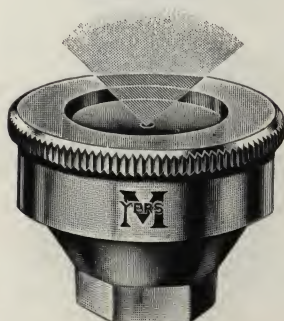
Adjustable Fembro Nozzle  
PWPYO \$1.40 (5 oz.)

Fig. 3215



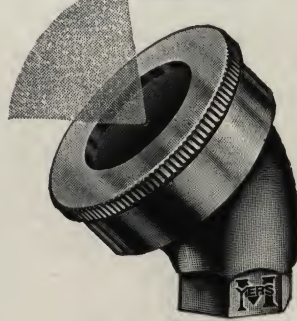
Fembro Nozzle (Male)  
PWOOJ \$ .80 (4 oz.)  
Used on Myers Perfection and Pipe Pendant Spray Booms.

Fig. 3216



Jumbo Nozzle (Female)  
PWOUX \$1.10 (6 oz.)

Fig. 3217



Jumbo Nozzle  
45 Degree  
PWOYP \$1.20 (6 oz.)

Fig. 3213



Shows Fembro and  
Jumbo Nozzle parts  
in detail

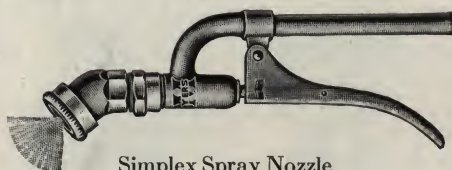
Fig. 3218



Jumbo Nozzle (Male)  
PWPOI \$1.20 (6 oz.)

Figs. 3216, 3217 and 3218 Myers Jumbo Spray Nozzles deliver a broad, fine spray with good carrying qualities. Fig. 3219, Myers Adjustable Spray Nozzle which delivers the spray in any direction.

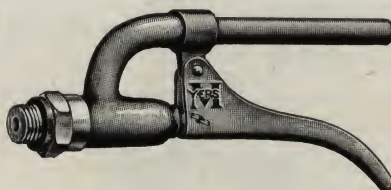
Fig. 2417



Simplex Spray Nozzle  
PECGU \$1.55 (12 oz.)

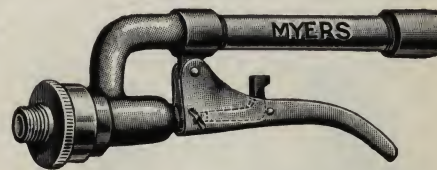
Fig. 2417—Myers Simplex Spray Nozzle as used on Compressed Air Sprayers. Recommend for use with the 34" Extension, Fig. 2418, for spraying the underside of leaves on low plants.

Fig. 3151



Lever Shut-Off Cock used on Compressed Air Sprayers, 6 1/2 oz. ....  
PUZVI \$ .95

Fig. 3152



Lever Shut-Off Cock used on Green House Sprayers. 10 1/2 oz. ....  
PUZXE \$1.55

Fig. 2418

BRASS EXTENSION

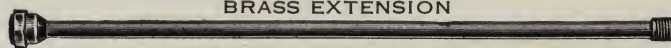


Fig. 2418, Brass Extension for use between lever shut-off cock and Spray Nozzle.  
18" Brass Extension (PECJO) \$ .55 (6 oz.) 34" Brass Extension (PILWI) \$ .85 (8 oz.)

REPAIRS: See Page 254, No. R40 Repair Catalog





# MYERS SPRAY PUMP FITTINGS

Male End  
Extra Length  
for Power  
Sprayers  
Fig. 1325



PECMI \$ .40  
3/8 or 1/2 inch hose  
1/4 inch pipe  
(4 oz.)

Male End  
for  
Barrel Spray  
Pumps  
Fig. 3103



PUXAB \$ .35  
3/8 or 1/2 inch hose  
1/4 inch pipe  
(3 1/2 oz.)

Male End  
for Bucket  
and Knapsack  
Sprayers  
Fig. 549



PECOD \$ .30  
3/8 inch hose  
1/4 inch pipe  
(3 oz.)

Female End  
for Hose  
Fig. 1091



PECUR \$ .30  
3/8 or 1/2 inch hose  
1/4 inch pipe  
(2 oz.)

2-Piece Hose  
Reducer  
Fig. 1206



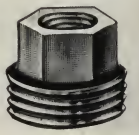
PEDAF \$ .55  
3/4 inch hose  
1/4 inch pipe  
(4 oz.)

Hose Reducer  
Fig. 772



PEDIP \$ .35  
3/4 inch hose  
1/4 inch pipe  
(3 oz.)

Reducer  
Bushing  
Fig. 3044



PVAZ \$ .25  
3/4 Hose  
1/4 inch pipe  
(1 1/2 oz.)

Fig. 1279



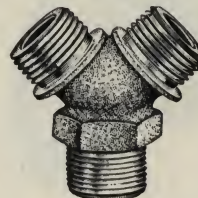
PEDNE \$ .65  
1/4 inch pipe  
thread  
(6 oz.)

Y for Two  
Nozzles  
Fig. 1560



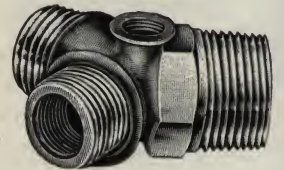
PEDOC \$ .55  
1/4 inch pipe  
thread  
(3 oz.)

Fig. 541



PEDPA \$1.20  
3/4 inch pipe inlet  
3/4 or 1/2 inch hose outlet  
(10 oz.)

Fig. 1280



PEDSU \$1.50  
1 inch pipe inlet  
1/2 or 3/4 inch hose outlet  
Outlet tapped 1/4 inch  
pipe  
(10 oz.)

45° Bend  
Fig. 1380



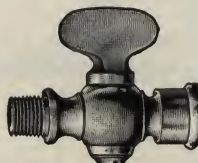
PEDVO \$ .30  
1/4 inch pipe  
thread  
(2 oz.)

45° Bend, Double  
Fig. 1381



PEDYI \$ .45  
1/4 inch pipe  
thread  
(4 oz.)

Air Cock  
Fig. 1382



PEFAD \$ .85  
1/4 or 1/8 inch pipe  
thread. State which.  
(4 oz.)

## HOSE SWIVELS

Fig. 2772



PIKOZ \$1.50  
For 500 lbs. or  
less pressure  
1/2" or 3/4" Hose  
(6 oz.)

Fig. 3153



PORUM \$4.00  
Ball Bearing for  
600 Lb. Pressure,  
1/2" or 3/4" Hose  
(1 3/4 lb.)





# MYERS SPRAY PUMP FITTINGS

Fig. 540

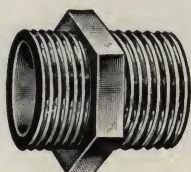


Fig. 540. Brass Hose Nipples PEJIJ

Size, inches	3/4	1
Price, Each	\$ .45	\$ .65
Rep. B740—3/4" Pipe x 3/4" Pipe x 1/4" Pipe (6 oz.)	.55	
Rep. 1811—3/4" Pipe x 3/4" Hose x 1/4" Pipe (6 oz.)	.55	

Fig. 1278. Brass Reducer Nipple

1 1/4 in. x 1 in., hose on pipe. Price, each (10 oz.)	PEFIN	\$1.10
2 in. x 1 1/4 in., Price, each (12 oz.)	PEFPY	2.00

Fig. 1278

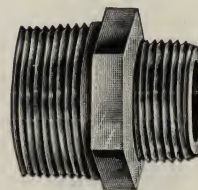


Fig. 1284



Fig. 1284. Sure Grip Brass Hose Couplings PEFRU

With heavy ribs, of sufficient length to use two hose bands for use with Power Spray Pumps.

3/8" Complete	(Less clamps) 400 lb. Pressure (6 oz.)	\$ .65
1/2" Complete	(Less clamps) 600 lb. Pressure (7 oz.)	.65
3/4" Complete	(Less clamps) 800 lb. Pressure (10 oz.)	2.30
3/8" Female End With Ring	(Less clamp) 400 lb. Pressure (3 oz.)	.45
1/2" Female End With Ring	(Less clamp) 600 lb. Pressure (4 oz.)	.45
3/4" Female End With Ring	(Less clamp) 800 lb. Pressure (5 oz.)	1.20
3/8" Male End	(Less clamp) 400 lb. Pressure (3 oz.)	.25
1/2" Male End	(Less clamp) 600 lb. Pressure (3 oz.)	.25
3/4" Male End	(Less clamp) 800 lb. Pressure (5 oz.)	1.10

Fig. 224



Fig. 1936

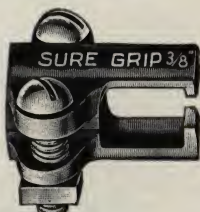


Fig. 2616

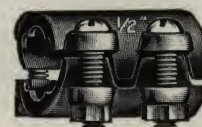


Fig. 224. Brass Hose Couplings PEFGY

Size, inches	3/4	1	1 1/4	1 1/2	2
Complete, Price, Each	\$ .50	\$ .85	\$1.65	\$1.90	\$2.75
Half coupling, female, Price	.30	.50	.95	1.00	1.50
	(4 oz.)	(6 oz.)	(8 oz.)		

Figs. 1936 and 2616. Sure Grip Hose Clamps

For Power Spray Hose. The Hose Clamp grips the Male End of Hose Coupling. Can't slip off.

3/8" Fig. 1936 with Two Bolts	400 lb. Pressure (4 oz.)	PEGAC	\$ .25
1/2" Fig. 2616 with Four Bolts	600 lb. Pressure (6 oz.)	PWEBU	.30
3/4" Fig. 1936 with Two Bolts	800 lb. Pressure (8 oz.)	PUZYC	.35

Fig. 885. Galvanized Steel Hose Clamps PEGBA

Size, inches	3/8	1/2	3/4
Price, Each	\$ .05	\$ .05	\$ .05
Price, Doz. Lots	.55	.55	.55

Fig. 885



Fig. 2290



Fig. 2290. Single Cut-Off

3/4" Pipe Female x 3/4" and 1/2" Hose Male End.	
Price, Each Wt. 1 3/4 lbs.	PEGHO \$2.50
3/4" Pipe Male and Female. Price, Each	PIBVU 2.50

Fig. 1304. Myers Double Cut-Off

Is fitted for 3/4 or 1/2 inch hose couplings on the discharge ends and 1 inch pipe thread on the inlet. Has 6" Mall. Levers. Price, Each Wt. 2 lbs. . . . PEGIM \$3.50

Fig. 1283. Lever Shut-Off Cock. No Dripping

All brass. Tapped 1/4 in. pipe size. Pr., Ea. (6 oz.) . . . PEGKI \$1.35

Fig. 1281. Brass Shut-Off Cock

1/4 inch Pipe Connection Price, Each (4 oz.) . . . PEGOZ \$.85

Fig. 1281

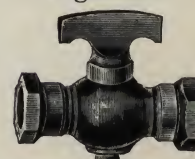


Fig. 3000



## Myers Pressure Gauges

Fig. 3000 illustrates the Myers Pressure Gauge as made in different sizes especially for Myers Power Spray Pumps and Sprayers—state which size is wanted.

		Price
300 lb., 2 1/2" Diameter. For Power Spray Pumps and Sprayers.	Wt. 10 oz. PEHAB	\$ 1.65
400 lb., 3 1/2" Diameter. For Power Spray Pumps and Sprayers.	Wt. 18 oz. PEHET	3.30
600 lb., 3 1/2" Diameter. For Power Spray Pumps and Sprayers.	Wt. 18 oz. POKOF	3.30
800 lb., 3 1/2" Diameter. For 25 and 35 G. P. M. Power Spray Pumps and Sprayers.	Wt. 18 oz. PWEEO	3.30
300 lb., 2 1/2" Diameter. (Power Washer)	Wt. 18 oz. PEHIL	3.30





# MYERS STRAINERS

Fig. 2788



Fig. 2788, Gauze Faced Strainer, Size Gauze 4" x 4", for 1 1/4" Pipe or 1 1/2" Hose. Used on Power Spray Pumps.

## PRICE LIST

Fig. 2788, as shown, tapped for 1 1/4" Pipe (3 lbs.)...PIPYA \$1.90

Fig. 1347, Myers Strainer, tapped for 1 inch pipe, for Power Spray Pumps (3/4 lb.).....PAWUT 1.40

Fig. 1916, Strainer for Power Spray Pumps threaded for 3/4" Pipe (3/4 lb.) .....PAYBE 1.50

Fig. 2615, Mud Strainer for Tank Filler on Power Spray Rigs. Has Brass Wire Cloth Covered Inlet (Wt. 2 1/2 lbs.) .....PEMUH 1.20

Fig. 1916

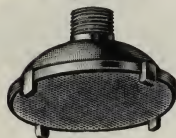


Fig. 3150



Fig. 3150, Strainer used on No. 1078 Sprayer (2 1/2 oz.) .....PUZUK 1.00

Fig. 2905, Saw Tooth Strainer, used on all Flat Top Spray Tanks. Give Width and Length of opening in top of tank (3 lbs.) .....PIVYU 5.50

Fig. 2905



Fig. 2905, Used on all Silver Cloud Tanks. Give Width and Length of opening in top of tank ....PVAXE 5.50

Fig. 2920, Iron Strainer used on end of suction pipe on Spray Rigs, for 1 1/4" Pipe (1 1/4 lbs.) .....PIYDI .40

Fig. 1347

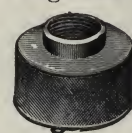
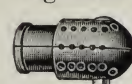


Fig. 2615



Fig. 2920



## The Myers Bamboo Extensions

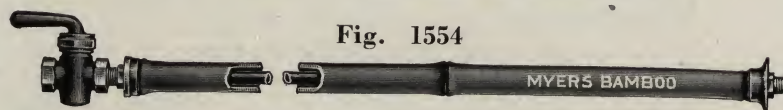


Fig. 1554

The Bamboo Extension, Fig. 1554, is made of selected Bamboo, through which is placed a special brass tube. It has shield at top to prevent solution running down the pole.

Fig. 1554, 8 foot bamboo extension, with lever shut-off cock.	Each Wt. 3 lbs. ....	PAZAF	Price \$5.25
Fig. 1554, 10 foot bamboo extension, with lever shut-off cock.	Each Wt. 4 lbs. ....	PAZIP	5.50
Fig. 1554, 12 foot bamboo extension, with lever shut-off cock.	Each Wt. 4 1/4 lbs. ....	PAZNE	5.75

## The Myers Steel Pipe Extensions

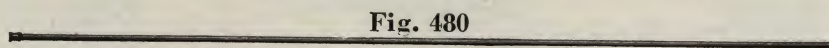


Fig. 480

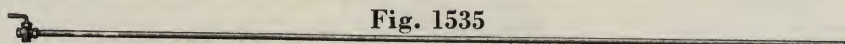


Fig. 1535

Pipe Extensions made of 1/4" Steel Pipe threaded on both ends and painted. See List.

Fig. 480, 4 foot pipe extension, with coupling.	Each Wt. 1 3/4 lbs. ....	PADWI	Price \$ .50
Fig. 480, 8 foot pipe extension, with coupling.	Each Wt. 3 3/4 lbs. ....	PABEV	.80
Fig. 480, 8 foot pipe extension, with coupling, jointed in center.	Each Wt. 3 3/4 lbs. ....	PAYGU	1.10
Fig. 1535, 8 foot pipe extension, with lever shut-off cock.	Each Wt. 4 lbs. ....	PAYOD	2.15





# RUBBER SPRAY HOSE

## PRICE LIST

Internal Diameter .....	List Price Per Foot			
	3 Ply	4 Ply	5 Ply	7 Ply
$\frac{3}{8}$ inch for Hand Spray Pumps 3 oz. per ft.	PABIN \$ .11			PAGCU \$ .17
$\frac{1}{2}$ inch for Hand Spray Pumps 4 oz. per ft.			PAFUK \$ .15	

Fig. 2643



## PRICE LIST

Fig. 2643, $\frac{1}{2}$ inch Myers High Pressure Spray Hose (500 Lbs.). (6 oz. per ft.) Per foot .....	PODIZ	Price \$ .32
$\frac{3}{8}$ inch High Pressure Hose for Power Spray Boom. (400 lbs.) (4 oz. per ft.) Per foot .....	PEJUK	.27

All of above Spray Hose can be furnished in continuous lengths up to 500 feet.

Please specify continuous lengths where desired, otherwise, 50 ft. lengths will be furnished, except where total order is less than 50 ft. Always state whether fitted or not fitted. If fitted, state pressure to be used. Couplings or Clamps Extra Charge.

# HIGH PRESSURE SPRAY HOSE COMPLETE WITH COUPLINGS

Fig. 3023

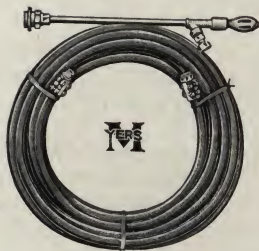


Fig. 3023 One Myers No. 13 Spray Gun and 50 feet $\frac{1}{2}$ " Myers High Pressure Spray Hose (500 lbs.) with fittings complete. Wt. 26 lbs. ....	PEKCU	Price \$25.25
---	-------	---------------

50 foot lengths $\frac{1}{2}$ inch Myers High Pressure Spray Hose (500 lbs.) fitted complete with couplings. Wt. 22 lbs. ....	POFPI	17.25
50 foot lengths $\frac{1}{2}$ inch High Pressure Spray Hose (600 lbs.) fitted with couplings. Wt. 24 lbs. ....	POSES	25.00
50 foot lengths $\frac{3}{4}$ inch High Pressure Spray Hose (600 lbs.) fitted with couplings. Wt. 31 lbs. ....	POSIK	30.00

600 lb. Pressure hose furnished only in 50 foot lengths with couplings

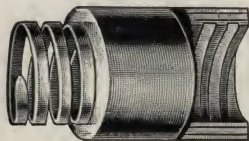
# HOSE FOR GREENHOUSE AND BERRY SPRAYERS

## PRICE LIST

50 ft. lengths of $\frac{3}{8}$ " High Pressure Hose with 36" Brass Pipe Extension and Nozzle, complete with Fittings .....	PIMES	Price \$17.15
---	-------	---------------

# SUCTION HOSE

Fig. 3027



WE have had made to our special order, Spiral Wire Suction Hose, the proper size for tank pumps, or Tank Fillers, which we can furnish in lengths of 15, 20 and 25 feet only, inside diameter 2 inches, with enlarged ends to attach to nipple.

## PRICE LIST

Fig. 3027, 2" Inside Diameter with Enlarged Ends, per Foot (17 oz. per ft.) .....	PODEH	Price \$1.00
Fig. 3027, 1 $\frac{1}{2}$ " Inside Diameter (in 48", 54" and 69" lengths only) used on all Power Sprayers with Vertical Self-Oiling Pumps, per Foot (18 oz. per ft.) ....	PEKMA	.90
1", Wire wound Suc. Hose, used on Small Spray Rigs & Sprayers. Per foot .....	PUZNY	.60

**Suction Hose:** All Myers Power Sprayers except Silver Cloud Sprayers are furnished with Flexible Suction on outside of Tank. Object: When fresh mixture is placed in Tank, remove the Suction Hose and run the Agitator —prevents clogging the Pump. End of Suction Line can be placed in pail or trough of clear water for cleaning Pump after spraying.

Silver Cloud Sprayers have an extra piece of suction hose to connect into line to wash out pump.





## SPRAYING INFORMATION

It has been our custom for many years to include in the Myers Spray Pump Catalog condensed but comprehensive Spraying Information listing all principal fruits and vegetables, and giving

tabulated information as to tree and plant insects and diseases, the time to destroy them and the materials or spraying mixtures to be used for this purpose.

### FORMULAE

Revised Formulae is compiled from data furnished by the courtesy of the Ohio Agricultural Experiment Station and Ohio Agricultural College and from late reports and other reliable records that have been issued for the guidance of fruitmen and gardeners generally. Fungicides and Insecticides should be combined when possible.

#### Spraying Instructions—Brief but to the Point

Always use material of known strength and first quality. Follow directions given closely. Spray thoroughly and at the proper time. Use a Myers Spray Pump of sufficient capacity and the results will pay you handsomely. If you desire your spray pump to continue giving good service, pump clear water through it before putting it away for future use.

### FUNGICIDES

Used in combating Fungous Diseases such as apple and pear scab, black, brown and bitter rot, mildew, etc.

#### 1. Bordeaux Mixture.

Copper Sulphate (blue vitriol)..... 4 pounds  
Hydrated Special Spray Lime ..... 6 pounds  
Water to make ..... 50 gallons

Dissolve the copper sulphate by putting it in a bag of cheesecloth and hanging this in a vessel holding at least 4 gallons, so that it is just covered by water. Use an earthen or wooden vessel. Add a small quantity of water to the lime and stir until made into a milk. Strain the milk of lime thus made into the copper sulphate while being agitated. Then add sufficient water to make 50 gallons in tank. Thoroughly agitate mixture, then it will be ready to apply. The mixture should be made fresh before using and any left over for a time should be thrown out or have fresh lime added.

The above is the 4-6-50 formula. Commonly used on potatoes. For rots, blights and fungous diseases.

#### 2. Bordeaux Mixture.

(Weaker Solution than No. 1)

Copper Sulphate ..... 2 pounds  
Hydrated Lime ..... 3 pounds  
Water to make ..... 50 gallons

For use on such trees as have foliage injured by Bordeaux 1.

#### Stock Solution

A solution containing one pound of copper sulphate to a gallon of water may be made up and permitted to stand indefinitely if no lime is added. This is known as stock solution. Two to four gallons, according to strength desired, is used for every fifty gallons of mixture. Hydrated Lime is weighed according to amount required. It is then placed in a vessel with a small quantity of water. The milk of lime may then be removed as required and used. By preparing the stock solution of copper sulphate in advance and having the lime in a milky state, much time is saved in filling barrels and tanks used in spraying.

#### 3. Liquid Lime Sulphur.

Commercial lime sulphur is the fungicide most commonly recommended for apple diseases and many other fruit diseases. The strength used for early spring spraying is 1 gallon of liquid to 50 of water. In summer 1 to 60 or 75.

#### 4. Dry Lime Sulphur.

This fungicide contains the same ingredients as the liquid lime sulphur, but is more convenient to handle and is a generally recommended fruit spray. It is used at the rate of 2 to 4 pounds to 50 gallons of water.

#### 5. Lime Sulphur Glue.

The following is a useful substitute for self-boiled lime sulphur: Flowers of Sulphur (very fine)..... 8 pounds  
Hydrated or mason's lime ..... 4 pounds  
Ground glue..... 1½ to 2 ounces  
Water to make ..... 50 gallons

Dissolve the glue in 3 gallons of boiling water. Mix thoroughly the lime and sulphur and add slowly to the glue water stirring constantly. Stir until all lumps are broken up and the mixture attains a batter-like consistency. Pour through strainer into the spray tank and add water to make 50 gallons of mixture.

For use on peach and plum as substitute for self-boiled lime sulphur.

#### 6. Dry-Mix Sulphur Lime.

This is sold on the market as dry-mix, peach-mix, and New Jersey dry-mix, and is a substitute for self-boiled lime sulphur for use on tender foliage such as peach and sweet cherries. It is used at the rate of 10 pounds to 50 gallons of water. Consult your County Agent for formula.

#### 7. Formalin.

For Oats and Wheat, 1 pound or pint formalin to 40 or 50 gallons of water.

For Onion Smut, 1 pound of formalin to 25 to 33½ gallons of water.

For Potato Scab and Rosette, ½ pint of formalin to 15 gallons of water.

For Soil Drench, 2 to 3 pounds of formalin to 50 gallons of water.

#### 8. Copper Carbonate.

This is sold for treating wheat to prevent stinking smut. Mix the powder with the wheat in a revolving drum, using 2 to 3 oz. of copper carbonate to one bushel of wheat. Can be mixed any time before sowing.





## INSECTICIDES

**9. Commercial Lime-Sulphur Solutions.**

These are convenient to use, being free from sediment and requiring no preparation other than diluting with water. When properly made and properly diluted, these mixtures are thoroughly reliable. For use during the dormant or delayed dormant period liquid lime-sulphur should be diluted at the rate of 1 gallon to 7 gallons of water.

**9A. Dry Lime-Sulphur.**

Lime-Sulphur in dry form is now available on the market. The most common recommendation is 15 pounds to 50 gallons of water, but at this strength should be used on dormant trees and shrubs only. As indicated under fungicides, the material may be used at weaker strength on trees in foliage for the control of fungous diseases.

**10. Soluble or Miscible Oil and Oil Emulsions.**

Some commercial houses make brands of oil that readily mix in cold water. They are used as dormant applications against San Jose scale, maple terrapin scale, magnolia scale, maple cottony scale and others which the lime-sulphur wash will not control. They are especially valuable for destroying scale on old, rough-barked apple and pear trees, and for use in cities and villages where the danger exists of seriously staining building fronts by the use of lime-sulphur. Such solutions should be diluted according to directions on container.

**11. Paris Green.**

Paris Green may be used with Bordeaux Mixture at the rate of *one pound* in 50 gallons for potato beetles. It may be used alone in water in the same proportion with two or three pounds of freshly slaked lime added to prevent burning of foliage. The mixture should be kept well stirred. Paris green is also used for poisoned baits for Cutworms and Grasshoppers.

**12. Arsenate of Lead.**

Arsenate of Lead is still the standard arsenical used on fruit trees. Ordinarily it is recommended to use  $1\frac{1}{2}$  pounds to 50 gallons of water. Bordeaux mixture or other fungicide such as lime sulphur.

**13. Arsenate of Calcium.**

This material may be used as a liquid spray or as a dust. As a liquid spray it is of particular value in the control of the Mexican bean beetle. It is used at the rate of 2 pounds to 100 gallons of water. 3 pounds of lime must be added to prevent burning.

For the control of cucumber beetle it is used in powder form, mixing 1 pound of the arsenate of calcium with 15 to 20 pounds of land plaster (Gypsum).

**14. Magnesium Arsenate.**

This material is being used widely for spraying beans to control the Mexican bean beetle. It is safe on bean foliage and when diluted at the rate of 1 to 2 lbs. of magnesium arsenate in 50 gallons of water has given good results against this insect. It is recommended in preference to calcium arsenate as a spray on beans, though it has poor dusting qualities. The material should carry 48 percent tri-magnesium arsenate.

**15. White Hellebore.**

Hellebore may be used for spraying fruit a few days before harvest when arsenical sprays would be dangerous.

White Hellebore ..... 1 ounce  
Water ..... 3 gallons

**16. Pyrethrum.**

Pyrethrum may be used as a spray at the rate of *one ounce* to two

gallons of water. It is poisonous to insects but not to higher animals and can be used on ripening fruits.

**17. Nicotine Sulphate.**

Nicotine sulphate is sold commercially and is more satisfactory than home-boiled tobacco solutions. It is generally used at the rate of  $\frac{1}{2}$  pint to 50 gallons of water or may be combined with other spraying materials such as arsenate of lead, lime sulphur and Bordeaux mixture for plant lice or aphids, leaf hoppers, etc.

The efficiency of the application is greatly increased if 2 or 3 pounds of laundry or fish oil soap is dissolved to each 50 gallon lot.

**18. Rotenone.**

Rotenone is the insecticidal constituent in derris root and in cube root. It is sold under trade names and is quite effective for cabbage worms and Mexican bean beetle. It has been used for these insects because of the objection to arsenical residue when these materials are applied to edible parts of plants. Derris dust carrying .75 per cent of rotenone is quite effective for cabbage worms when mixed with talc, sulphur, Kaolin, or other inert carrier and applied at the rate of 20 lbs. of the diluted dust per acre. Rotenone spray carrying 1% rotenone has been the most successful spray for Mexican bean beetle.

**19. Bi-sulphide of Carbon.**

This is a convenient fumigant for treating granaries, bins and closed compartments which contain stored grain, groceries and foodstuffs being injured by insects, provided the temperature is above 70° F.

Make the compartment tight as possible by pasting paper strips over cracks and openings. When everything is made tight, pour the liquid on burlap sacks laid on top of the grain, using about 8 to 15 pounds or pints for every 1,000 cubic feet of space. A more common procedure is to place the material in shallow pans set on the surface of the grain. As soon as the dosage has been completed, close the door and make it tight. Keep closed for 40 hours, then open and air thoroughly. Do not bring a lighted lantern or fire of any kind near the bin while fumigation is in progress, as this gas is inflammable. It should be understood that the use of bi-sulphide of carbon in a building automatically cancels some fire insurance policies. Sometimes treatments at intervals of a few weeks apart are advisable in case the bins are not tight. Fumigation according to these directions will not injure grain for either feed or seed. This material can be used for fumigating woolens and furs infested with clothes moths. Place the article to be fumigated in a tight chest or trunk and saturate a sponge or mass of cotton with the carbon bi-sulphide at the proportion of  $1\frac{1}{2}$  lbs. of carbon bi-sulphide to 100 cubic feet of space. Leave the chest closed for 48 hours or more, and if the goods are to be stored, place in tight chest or sew in paper bags. Carbon tetrachloride can be substituted for carbon bi-sulphide in clothes chests, but it should be used in approximately *double* the amounts. It has the advantage of being less offensive in odor, and not being inflammable is much safer for household use.

**Formula for Whitewash.**

Slake  $\frac{1}{2}$  bushel of fresh lime with hot water, keeping it covered during the process. Add  $\frac{1}{2}$  peck of salt previously dissolved in warm water, 2 pounds of ground rice boiled to a thin paste. Stir in  $\frac{1}{2}$  pint boiling glue well dissolved in warm water. Dilute the above with 8 gallons of hot water, stirring it well to become thoroughly mixed. Strain through a fine sieve or strainer, and allow it to stand a few days before using. Apply while hot with a Myers Spray Pump. Coloring matter may be added for any shade desired.





## PLATE 5

## GROWERS SPRAYING GUIDE

CROP	INSECTS AND DISEASES	MATERIALS	DILUTIONS		TIME TO SPRAY
			For One Gallon of Water	For Fifty Gallons of Water	
APPLE	Scale Insects, San Jose, Oyster Shell and Blister Mite, Red Mite	Lime Sulphur Solution or Dry Lime Sulphur Oil Emulsion	One pint 18 to 20 teaspoonfuls $\frac{1}{2}$ pint	5 to 7 gallons 12 to 15 pounds 1 to 2 gallons	While the trees are dormant either in spring or fall. Delayed dormant spray applied in spring when buds are showing silvery.
	Codling Moth, Curculio, Bud-Moth, Scab, Frog-Eye and Blotch	Lime Sulphur Solution or Dry Lime Sulphur and Arsenate of Lead	$\frac{1}{5}$ of a pint 5 to 6 teaspoonfuls 3 to 8 teaspoonfuls	$1\frac{1}{4}$ to $1\frac{1}{2}$ gallons 3 to 4 pounds 1 to $1\frac{1}{2}$ pounds	1. When buds show pink. (Important scab spray.) 2. When petals fall. (Calyx spray.) 3. Ten days to two weeks later. (Blotch.) 4. Four weeks after petals fall. (Blotch.)
	Later Codling Moth Broods	Arsenate of Lead	3 to 8 teaspoonfuls	1 to $1\frac{1}{2}$ pounds	Eight to ten weeks after petals fall and as often as necessary to keep fruit covered with Arsenate of Lead, and a fungicide where bitter rot is present.
	Aphids (Plant Lice)	Sulphate of Nicotine 40%	1 teaspoonful	$\frac{1}{2}$ pint	Combine with other sprays and apply when Aphids appear. Usually in delayed dormant sprays. Complete coverage is necessary.
PEAR	Scale Insects and Blister Mites	Lime Sulphur Solution or Dry Lime Sulphur	1 pint 18 to 20 teaspoonfuls	5 to 7 gallons 12 to 15 pounds	Dormant or delayed dormant. When the buds begin to swell.
	Psylla, Slugs, Scab and Codling Moth	Bordeaux Mixture or Dry Lime Sulphur or Lime Sulphur Solution Arsenate of Lead Sulphate of Nicotine	12 to 16 teaspoonfuls 5 to 6 teaspoonfuls $\frac{1}{5}$ pint 3 to 8 teaspoonfuls 1 teaspoonful	6 to 8 pounds 3 to 4 pounds $1\frac{1}{4}$ to $1\frac{1}{2}$ gallons 1 to $1\frac{1}{2}$ pounds $\frac{1}{2}$ pint	1. Cluster or pink stage. 2. Calyx or petal fall. 3. Two weeks after petal fall.
PEACH	Scale Insects and Leaf Curl Scale Insects only	Lime Sulphur Solution or Dry Lime Sulphur Oil Emulsion	1 pint 18 to 20 teaspoonfuls $\frac{1}{2}$ pint	5 to 7 gallons 12 to 15 pounds 1 to 2 gallons	In the fall or in the spring before the buds swell. Very essential for the control of leaf curl.
	Curculio	Arsenate of Lead	3 to 8 teaspoonfuls	1 to $1\frac{1}{2}$ pounds	1. When most of shucks are off. 2. Repeat as often as necessary.
	Scab and Brown Rot and to prevent Rot developing after Fruit is picked	Summer Fruit Spray A specially prepared Mixture replacing self boiled Lime Sulphur	12 to 20 teaspoonfuls	8 to 10 pounds	1. When most of shucks are off. 2. Two weeks after shucks dropped. 3. Four weeks before picking. If necessary. 4. Week to ten days before picking. Very important.
	Borers	Paradichlorbenzene	1 to 2 ounces in a circle evenly distributed 2 inches away from trunk of tree.		1. In the spring. 2. In the fall.
PLUM	Scale Insects	Oil Emulsion Lime Sulphur Solution or Dry Lime Sulphur	$\frac{1}{2}$ pint 1 pint 18 to 20 teaspoonfuls	1 to 2 gallons 5 to 7 gallons 12 to 15 pounds	Apply just before growth begins. If scale is not prevalent this application can be omitted.
	Curculio	Arsenate of Lead	3 to 8 teaspoonfuls	1 to $1\frac{1}{2}$ pounds	1. When most of shucks are off. 2. Repeat as often as necessary.
	Leaf Spot, Brown Rot	Summer Fruit Spray	12 to 20 teaspoonfuls	8 to 10 pounds	1. When most of shucks are off. 2. Ten days to two weeks after shucks are off.
CHERRY (Sour)	Scale Insects	Lime Sulphur Solution or Dry Lime Sulphur	1 pint 18 to 20 teaspoonfuls	5 to 7 gallons 12 to 15 pounds	Apply just before growth begins. If Scale is not prevalent this application may be omitted.
	Leaf Spot, Curculio, Brown Rot, Slugs	Lime Sulphur Solution or Dry Lime Sulphur Arsenate of Lead	$\frac{1}{5}$ pint 5 to 6 teaspoonfuls 3 to 8 teaspoonfuls	1 to $1\frac{1}{2}$ gallons 3 to 4 pounds 1 to $1\frac{1}{2}$ pounds	1. Just before blooming. 2. Petal fall. 3. Ten days to two weeks after petals fall. 4. Three to four weeks after petals fall. 5. Immediately after fruit is picked.
	Cherry Fruit Fly	Arsenate of Lead	5 to 10 teaspoonfuls	$1\frac{1}{2}$ to $2\frac{1}{2}$ pounds (Sweeten with sugar or molasses)	As soon as Fruit Fly appears. It is essential to keep fruit covered with Arsenate.
CHERRY (Sweet)	Same schedule as above except Lime Sulphur should not be used stronger than 1 gallon to 50 gallons of water; Dry Lime Sulphur at rate of 2 to 4 pounds to 50 gallons of water. Also avoid heavy spraying because of danger of foliage injury. Aphids are often serious so that Sulphate of Nicotine is necessary in some sprays.				
GRAPE					
	Berry Moth	Arsenate of Lead	3 to 8 teaspoonfuls	2 to 3 pounds	1. After the blossoms fall. 2. Ten days to two weeks later.
	Black Rot Mildew	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	3. Just as berries begin to touch in the clusters.
	Rose Chafer	Arsenate of Lead	3 to 8 teaspoonfuls	2 to 3 pounds	Apply when pests are serious, mixing gallon of molasses with poison.
	Leaf Hopper	Sulphate of Nicotine	1 teaspoonful	$\frac{1}{2}$ pint	Apply when first nymphs of the Leaf Hopper acquire wings.





## PLATE 6

## GROWERS SPRAYING GUIDE (Continued)

CROP	INSECTS AND DISEASES	MATERIALS	DILUTIONS		TIME TO SPRAY
			For One Gallon of Water	For Fifty Gallons of Water	
CURRANT and GOOSEBERRY	Scale Insects	Lime Sulphur Solution or Dry Lime Sulphur	1 pint 18 to 20 teaspoonfuls	5 to 7 gallons 12 to 15 pounds	Spray before growth starts if scale is prevalent.
	Leaf Spot, Leaf Eating Insects, Aphids	Bordeaux Mixture Arsenate of Lead Sulphate of Nicotine	12 to 16 teaspoonfuls 3 to 8 teaspoonfuls 1 teaspoonful	6 to 8 pounds 1½ to 2 pounds ½ pint	1. When foliage appears. 2. After the blossoms fall. 3. Ten days later. If Aphids are present combine Sulphate of Nicotine with Sprays.
BUSH FRUITS RASPBERRY BLACKBERRY	Scale, Cane Blight, Leaf Spot	Lime Sulphur Solution or Dry Lime Sulphur	1 pint 13 to 20 teaspoonfuls	5 to 7 gallons 12 to 15 pounds	In the spring before the growth begins.
	Anthracoise	Lime Sulphur Solution or Dry Lime Sulphur	1 pint 18 to 20 teaspoonfuls	5 to 7 gallons 12 to 15 pounds	Delayed dormant just before leaves come out.
BEANS	Bean Beetle Spotted or Striped	Bordeaux Mixture Arsenate of Lead	12 to 16 teaspoonfuls 3 to 8 teaspoonfuls	6 to 8 pounds 1½ to 2 pounds	1. When foliage appears. 2. After the blossoms fall. 3. Ten days later.
	Anthracoise	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	When plants are two inches high and every ten days until pods are formed.
CABBAGE and CAULIFLOWER	Leaf Eating Insects	Bordeaux Mixture Arsenate of Lead	12 to 16 teaspoonfuls 3 to 8 teaspoonfuls	6 to 8 pounds 1½ to 2 pounds	1. When insects appear. 2. Ten days later.
CUCUMBER and MUSKMELON	Striped Beetle	Bordeaux Mixture Arsenate of Lead	12 to 16 teaspoonfuls 3 to 8 teaspoonfuls	6 to 8 pounds 1½ to 2 pounds	Spray plants as soon as they are up and keep them well sprayed. If Aphids appear, use formulae for Currants as above.
POTATO	Potato Bug, Flea Beetle, Leaf Hopper, Blight	Calcium Arsenate Bordeaux Mixture	3 to 8 teaspoonfuls 12 to 16 teaspoonfuls	1½ to 2 pounds 6 to 8 pounds	Spray or dust plants as soon as they break through and every ten days thereafter. If bugs are not present omit Calcium Arsenate.
TOMATO	Tomato Worm, Flea Beetle, Leaf Spot	Arsenate of Lead or Calcium Arsenate Bordeaux Mixture	3 to 8 teaspoonfuls 3 to 8 teaspoonfuls 12 to 16 teaspoonfuls	1½ to 2 pounds 1½ to 2 pounds 6 to 8 pounds.	Spray or dust when plants are six inches high and every ten days thereafter.
SHRUBS SHADE TREES and FLOWERS	Scale Insects	Oil Emulsion or Lime Sulphur Solution	1 pint	1½ to 2½ gallons 5 to 7 gallons	When plants are dormant either spring or fall. Be careful to keep Lime Sulphur off of painted surfaces
	Leaf Eating Caterpillars	Arsenate of Lead or Calcium Arsenate	3 to 8 teaspoonfuls 3 to 8 teaspoonfuls	1½ to 2 pounds 1½ to 2 pounds	Spray as soon as Caterpillars appear.

Courtesy, Grasselli Chemical Co., Cleveland, Ohio

## PLATE 7

## FLOWERS

CROP	INSECT AND DISEASE	SPRAY MATERIAL	First Spraying	Second Spraying	REMARKS
ASTER	Black Blister Beetle	Arsenate of Lead or Dutox	1 Part to 4 Parts Flour 1 Part to 4 Parts Flour	Repeat	
DAHLIA	Mildew	Lime Sulphur 3 or 4	On first appearance.	Repeat	
DELPHINIUM	Bacterial Blight	Bordeaux 1	Just as growth starts in Spring	10 days later	Spray soil around plants. Burn old tops in fall.
GLADIOLUS	Scab Thrip	Paris Green, ¼ lb. Brown Sugar, 15 lb. Water, 25 Gallons	When Thrips appear	1 Week later	Treat Corms in Corrosive Sublimate Solution 1 oz. to 7½ Gallons water for 3 hours.
PEONY	Botrytis Blight	Bordeaux 1	When young shoots first come through ground.	1 Week later	Spray soil around the plants. Burn old tops in the Fall.
ROSE	Mildew or Black Spot	Lime Sulphur 3 or 4	Every 10 days or 2 weeks throughout the season.		Burn all infected leaves.
	Rose Slugs, or Rose Bugs, or Leaf Roller	Arsenate of Lead or Calcium Arsenate 4 level Teaspoonfuls to 1 Gallon of Water	On appearance		Be sure to cover both sides of all leaves.
	Aphis or Plant Louse. A small green Louse.	Nicotine Sulphate 1½ Teaspoonfuls to 1 Gal. Soapy Water or Pyrethrum (16)	On appearance		Spray direct on the louse. Kills by contact.

Figures 1-3 or 4 and 16 refer to Fungicide Formulas and Insecticide Formulas. Secure additional information from your State Agricultural College, or Ask Ohio Experiment Station, Wooster, Ohio, or Ohio Agricultural College, Columbus, Ohio, for Free Bulletins 76 and 128.





# MYERS POWER WASHERS

PATENTED

Adapted For Many Different Uses Such As:

## WASHING

Automobiles, trucks, taxi cabs, delivery trucks, busses, street cars, chicken or stock cars, vegetables, blood out of carcasses, floors in poultry houses, pig pens, buildings before or after painting; for sanitary purposes in canning factories, packing houses, dairies, toilets; and for testing water lines.

Will handle either Hot or Cold Water.

The Myers Power Washers illustrated on pages 319-320 have been designed to meet a variety of needs, some of which are enumerated above. These outfits are capable of supplying 300 lbs. pressure at the nozzles in a solid or atomized stream from city water mains or other sources of supply. The pumps are the thoroughly proven Myers vertical type Self-Oiling Power Spray Pumps which are used as standard equipment on Myers Orchard and Row Crop Sprayers and the horizontal type Myers Self-Oiling Bulldozer Power Pump.

The variable spray at 300 lbs. pressure, provided by these Power Washers for washing and cleaning vegetables enables the grower to supply produce that is clean and attractive and meets sanitary requirements as well. Furthermore, produce thus prepared commands the highest market price and that means a better profit.



This shows the Coarse Stream as applied to underside of Automobile Fenders.

For example, in the operation of washing celery as illustrated at the right, the spray at 300 lbs. pressure penetrates every space between the stalks and leaves, washing away every particle of soil, leaving the plant attractive and desirable. Carrots, Parsnips, Radishes, Beets, Turnips, Onions, Potatoes, Sweet Potatoes, and other Bulb, Root or Tuber Crops are cleaned and sanitized in the same manner. The spray is adjustable from a Coarse Driving Stream to a Soft, Penetrating Smooth Spray Mist.

The picture at the left illustrates the Coarse Driving Stream provided by the Myers Power Washer as applied to the Chassis and under the Fenders of automobiles. These parts are cleaned as easily as the Broad Fine Spray which is obtained by a slight turn of the handle, cleans the Body of the Car.

Myers Power Washers save time, do more and better work and increase profits for those who use them.



Cleaning Vegetables

Fig. 2749 illustrates the Myers Power Gun discharging a coarse driving stream. A slight turn of the handle widens the spray.

If desired to shut off the gun and water at any time during washing operations just turn the handle full distance to the right.

Fig. 2749



## PRICE LIST, Represented by Fig. 2749

No. 17, Myers Power Gun, Wt. 3 Lbs.....	NIJAZ	Price
Fig. 2772, Hose Swivel (Removes all Twists in the Hose).....	PIKOZ	\$7.00
		1.50

## Special Nozzle for Removing Grease and Extra Hard Caked Mud, and for Cleaning Automobile Motors.

Fig. 2360

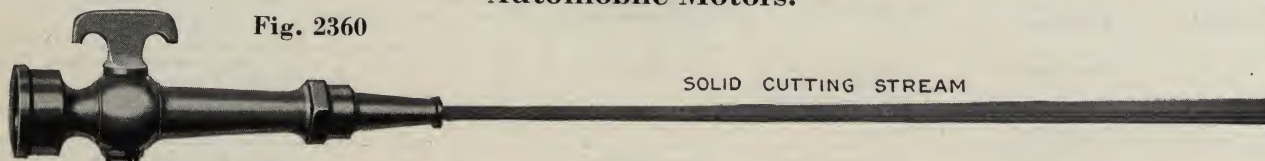


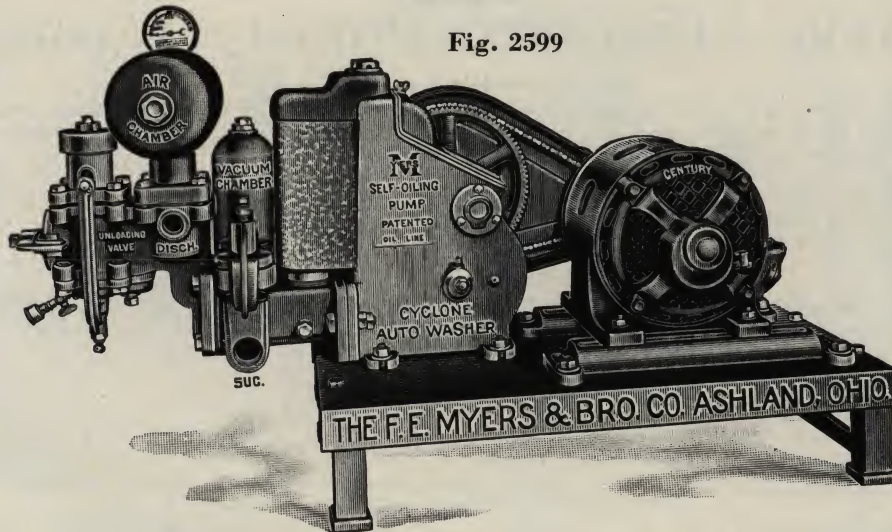
Fig. 2360 illustrates a Special Nozzle which discharges a Solid Cutting Stream. Recommended for use in removing grease or hard caked mud from automobile chassis. It is also ideal for cleaning the Motor. We suggest the use of this Nozzle on an extra length of Hose connected in the Discharge Line, independent of the Gun.

Price, Each.....NIGOZ \$2.25





Fig. 2599



## MYERS CYCLONE POWER WASHERS WITH ONE, TWO OR FOUR GUNS

BOOSTS CITY WATER PRESSURE TO 300 POUNDS

### Specifications

TO SECURE SAFETY in operation, LONG LIFE AND ECONOMY, all working parts in the Myers Self-Oiling Cyclone Power Washer are fully enclosed and RUN IN OIL. Has hood over cylinders completely enclosing all parts.

THE MAIN FRAME which carries all of the bearings forms the oil reservoir. From this reservoir the gears and crosshead sleeves distribute the oil to all moving parts.

THE CROSSHEAD SLEEVES are extra heavy, accurately bored and polished. The Pitman Pins are  $\frac{1}{8}$ " hard steel with bronze bushings. The Eccentric Bearings are 4" Diam. x  $1\frac{1}{2}$ " face. Guide Rod Posts are  $1\frac{1}{2}$ " Hardened Steel, ground and polished. On the Down Stroke the Crosshead Sleeves dip into the oil carrying it up to the posts to the top of the Crosshead from which it overflows to oil the Pitman Pins. In addition it is fitted with a simple oil pump which delivers a constant stream of oil on the posts above the Crosshead and on the Pinion Bearings.

THE GEARS are double with  $1\frac{5}{8}$ " face, machine cut and operate the plungers through a 4" double eccentric cast integral with each main gear. The Gear Shaft is hardened, ground and polished.

THE PINIONS are steel, machine cut integral with the pinion shaft, which is also hardened, ground and polished on bearing surfaces.

THE CYLINDER OR VALVE CHAMBER BODY is supported on a flanged projection on the gear case, is accurately machined and held with heavy bolts, insuring perfect alignment. Plunger Stems are  $\frac{13}{16}$ " Hard Steel with Drop Forged Eye and Hardened Pins.

THE PLUNGERS are Double Cup Expanding Type with adjustable take-up.

THE CYLINDER SHELLS are made of extra hard cast bronze, screwed into cylinder body against a copper-asbestos gasket ring at the bottom end.

THE BALL VALVES AND VALVE SEATS are Stainless Steel. The Seats are reversible, giving double service; loosening two Push Bolts exposes all valves. Valve Caps are machined and clamped on by heavy truss block. Recessed packing—cannot blow out—easy to replace.

THE AIR CHAMBER is of sufficient size to hold constant pressure on the Gun. Discharge is taken off above Controller Check Valve in base of air chamber. Holds constant pressure on the Gun.

THE SUCTION AND DISCHARGE can be taken from either side.

THE PRESSURE CONTROL AND UNLOADING VALVE are built in the Pump with By-Pass.

REPAIRS: See Pages 256 and 258, No. R40 Repair Catalog





# MYERS CYCLONE POWER WASHER

## Duplex Washer for One Gun

Myers Duplex Self-Oiling Pump with 2" x 2½" Bronze Cylinders, with Unloading Regulator Valve, mounted on Steel Sub-Base. Accessories included in prices, one Gun, one 25 Ft. Length of

½" High Pressure Hose with fittings, one ¾" Shut-Off Cock for discharge, Silent Chain and Sprockets for Pump and 1½ H.P. Motor.

No. 1756M, With 1½ H.P., 3 Phase A.C. 60 Cycle, 220 Volt, 1750 R.P.M. Motor. Wt. 625 Lbs.....	NICOD	Price \$311.00
No. 1757M, With 1½ H.P., 1 Phase A.C. 60 Cycle, 110-220 Volt, 1750 R.P.M. Motor. Wt. 607 Lbs.....	NICUR	322.00
No. 1755M, Same as No. 1756M, less the motor. Wt. 500 Lbs.....	NIGUN	242.00

## Duplex Washer for Two Guns

Myers Duplex Self-Oiling Pump with 2½" x 2½" Cylinder with Unloading Regulator Valve, mounted on Steel Sub-Base. Accessories included in prices, two Guns, two 25 Ft. Lengths of

½" High Pressure Hose with fittings, two ¾" Shut-off Cocks for discharge, Silent Chain and Sprockets for Pump and 3 H.P. Motor.

No. 1761M, With 3 Phase A.C. 60 Cycle, 220 Volt, 1710 R.P.M. Motor. Wt. 675 Lbs.....	NIDOC	Price \$376.00
No. 1762M, With 1 Phase A.C. 60 Cycle, 110-220 Volt, 1750 R.P.M. Motor. Wt. 850 Lbs.....	NIDSU	423.00
No. 1763M, With 3 Phase A.C. 25 Cycle, 220 Volt, 1425 R.P.M. Motor. Wt. 550 Lbs.....	NIDVO	435.00
No. 1760M, Same as No. 1761M, less the motor. Wt. 490 Lbs.....	NIHIL	285.00

## Quadruplex Washer for Four Guns

Myers Quadruplex Self-Oiling Pumps with 2½ x 2½" Cylinders with Unloading Regulator Valve, mounted on Steel Sub-Base. Accessories included in prices—four Guns, four 25 ft. Lengths

of ½" High Pressure Hose with fittings, four ¾" Shut-Off Cocks for discharge, Silent Chain and Sprockets for Pump and Motor. 5 H.P. Motor or 8 H.P. Engine.

No. 1766M, With 3 Phase A.C. 60 Cycle, 220 Volt, 1710 R.P.M. Motor. Wt. 910 Lbs.....	NIFPY	Price \$545.00
No. 1767M, With 1 Phase A.C. 60 Cycle, 110-220 Volt, 1750 R.P.M. Motor. Wt. 1000 Lbs.....	NIFRU	650.00
No. 1768M, With 3 Phase A.C. 25 Cycle, 220 Volt, 1425 R.P.M. Motor. Wt. 875 Lbs.....	NIGAC	632.00
No. 1769M, With D.C. 115 or 230 Volt, 1750 R.P.M. Motor. Wt. 1150 Lbs.....	NIGHO	730.00
No. 1765M, Same as No. 1766M, less the motor. Wt. 683 Lbs.....	NIHOY	432.00

On All of the Above Specify Exact Voltage Used and if Alternating Current Give Frequency and Phase.

REPAIRS: See Pages 256 and 258, No. R40 Repair Catalog

# MYERS UNIVERSAL POWER WASHER

PATENTED

## A Complete Self-Oiling Automatic Unit

Fig. 2471 illustrates The Myers Universal Power Washer, a complete unit for connecting to city water supply or for pumping from a shallow well or cistern not exceeding 25 feet in depth.

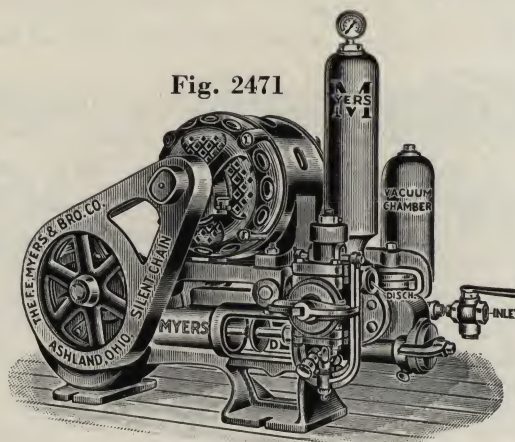
The power end consists of one piece casting which forms the base of the pump and oil reservoir, and in connection with a lid encloses all working parts, protecting them from dirt or injury, thus securing safety of operation. Double Acting Pump 2" x 4".

Equipped with a reliable unloading and pressure control valve with by-pass from discharge to supply. When gun is shut off, the entire Pressure Load is removed, allowing motor or engine to idle. Important—An air inlet valve is used to recharge the Air Chamber.

CAPACITY: 7 Gallons Per Minute

Boosts City Water Supply to 300 Lbs. Pressure

Fig. 2471



Floor Space: Length 42", Width 24", Height 31½"

## Accessories included in Prices—

One Power Gun, 25 feet of ½" High Pressure Hose with Fittings, ¾" Shut-Off Cock for Discharge, Pressure Gauge, ¾" Shut-Off for Inlet.

## PRICE LIST

	Price
No. 780, Pump with 14 x 2½" Tight and Loose Pulleys. Wt. 475 Lbs.....	NIBAH \$134.00
No. 780M, Pump with 20 x 3" Tight Pulley and Belt Tightener. Wt. 480 Lbs..	NIBEZ 144.00
No. 781M, Pump with 2 H.P., 3 Phase, A.C. 60 Cycle, 220 Volt Motor, Silent Chain Drive. Wt. 550 Lbs.....	NIBIR 260.00
No. 782M, Pump with 2 H.P., 1 Phase, A.C. 60 Cycle, 110-220 Volt Motor, Silent Chain Drive. Wt. 615 Lbs..	NIBRY 286.00
No. 783M, Pump with 2 H.P., 3 Phase, A.C. 25 Cycle, 220 Volt Motor, Silent Chain Drive. Wt. 570 Lbs.....	NIBTU 301.00
No. 784M, Pump with 2 H.P., D.C., 115 or 230 Volt Motor. Wt. 710 Lbs....	NIBUS 320.00

Specify Exact Voltage Used and if Alternating Current Give Frequency and Phase

REPAIRS: See Page 259, No. R40 Repair Catalog



# MYERS

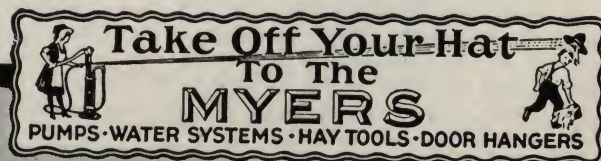
## MYERS HAY UNLOADING TOOLS

---

UNLOADERS, FORKS, SLINGS, PULLEYS,  
TRACK, FIXTURES AND HAY RACK  
CLAMPS

---

SEE REPAIR CATALOG FOR REPAIRS



HAY  
TOOLS

DOOR H.  
TORE L.

ENG.  
DATA

INDEXES





# MYERS HAY UNLOADING TOOLS

## and Patent Double Steel Track

PATENTED

*Quality - Service - Dependability*

ADJUSTABLE TO FIT ALL STANDARD MAKES OF STEEL TRACKS

Over 41,300,458 Feet of Double Track Has Been Sold

A TEST of over fifty years has demonstrated the superiority of the Myers Hay and Grain Unloading Tools. They are now universally known and acknowledged to be the best made, most practical, simplest in construction, and that they meet all the requirements.

Personal attention, long experience, a knowledge of the requirements, and the adoption of the latest improved methods and machinery, have enabled us to produce a line unequalled.

A comparison of our carriers with others will show many points of superiority in our favor. These special features and advantages are covered by letters patent owned and controlled by us.

It is of the greatest importance that implements of this class, which are subjected to severe usage during the rush of the haying season, should be thoroughly well built and constructed of first class material throughout. The best malleable iron and large Steel Bearings are used in the construction of our goods.

Myers originated the Wide Mouth Unloader with Short Top Fork Pulley, combining Rope Reversible and Swivel in the same Car.

### SPECIAL FEATURES

**16" WHEEL BASE:** Distributes the load on the Track. The Track Wheels are never more than 8" distant from a Hanging Hook.

**WIDE OPEN MOUTH:** A swinging Fork Pulley can enter from any direction.

**SHORT TOP FORK PULLEY:** Locks engage with the Frame.

**ROPE REVERSIBLE AND SWIVEL:** The only practical way to reverse a Carrier in the barn is to use the Rope Reversible feature. By this means, it can be reversed in the largest barn in less than five minutes, **operator standing on the floor**. No car furnished with a Swivel only can be reversed in the barn without the operator climbing up to reach the roof.

**ROPE SHEAVES:** On Myers Rope Reversible Unloaders the Rope Sheaves give twice the service as those on Swivel Reversible Cars, owing to the two Sheaves used on Myers, each one operating one-half of the time. Swivel Reversible Cars have **one Sheave only**, which operates **all the time**.

**TRACK WHEELS:** On Steel Track Unloaders they are larger in diameter,  $3\frac{1}{4}"$ . Make less revolutions, wear longer.

**BEARINGS:** For Track Wheels are  $\frac{3}{4}"$  machined steel Stud Bolts, easily removable. For 4" Rope Sheaves,  $1\frac{1}{16}"$  Steel. For 7" Sheaves,  $1\frac{7}{16}"$  Steel, recessed into the Frame and held with through bolts.

**ROPE:** Gives twice the service on a Myers Rope Reversible Unloader for the reason that you **change ends** of the draft rope every time you reverse the Unloader. (Rope wears out by dragging on the ground).

**DOUBLE STEEL TRACK:** Myers Track is guaranteed 50 point carbon steel (stiff). No holes or rivets. Is clamped together with a continuous opening  $\frac{1}{2}"$  wide through the center for the Hanging Hooks.

**HANGING HOOKS:**  $\frac{1}{2}"$  steel with malleable clamp and lock nut attached rigidly to the Track. Each Hook forms a **brace** to the Track. The Track cannot shift endwise, and can be installed in less time than any other.



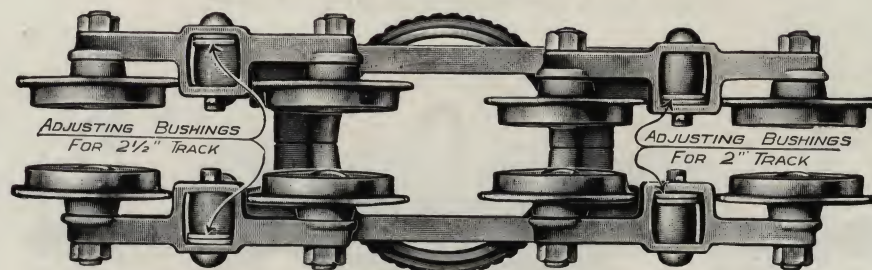


# MYERS ADJUSTABLE SURE LOCK SLING UNLOADER

PATENTED

ADJUSTABLE TO FIT ALL STANDARD MAKES OF STEEL TRACK

Fig. 3162



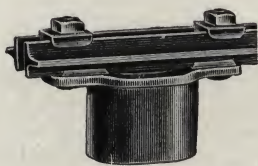
8 Wheel Flexible Engine Truck for Steel Track

Elevates Load at Right Angle to Track

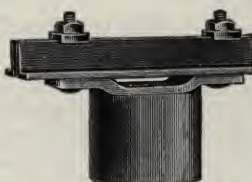
**FIG. 3162** illustrates a Top View of the Myers Adjustable Sure Lock Sling Unloader as adapted for use on other makes of Steel Track that are already installed in the barn. The only thing necessary is to change the location of the Metal Washers marked with arrows to enable any farmer to enjoy the use of a Myers Sure Lock Sling or Fork Unloader on

his old track. The Unloader is the same for all Steel Tracks. The only difference is in the Knockers which are made to fit the different kinds of Steel Track such as Myers, Ney, Loudon, Olson, Porter, Starline, Inc., W. & B., Strickler, Hudson, etc. These Knockers carried in stock by the dealer meet all emergencies.

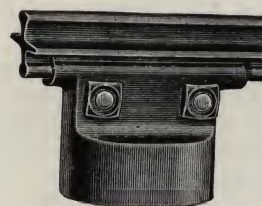
Knockers for Adjustable Sling Unloaders for the Different Tracks, Price, Each \$ .70



H517 RACOD  
For Myers  
Nos. 32, 38, 42 and 46



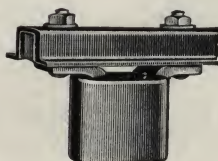
H518 RACUR  
Ney, Olson, Law, Goshen,  
Rochester, Ricker, Peerless, James



H519 RADAF  
Loudon or Porter



H520 RADIP  
H. H. & F.  
Harvester or Star



H518A REKOZ  
Whitman & Barnes,  
Beatty



H521 RADNE  
Strickler, Janesville,  
Hudson





# THE MYERS SURE LOCK SLING UNLOADER

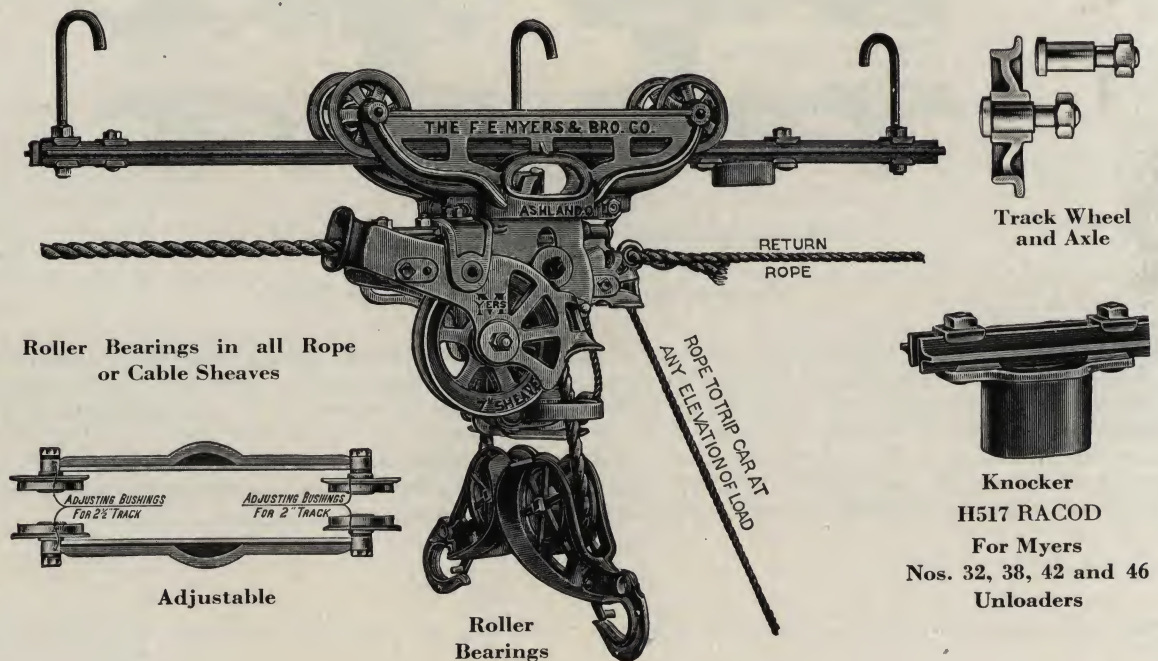
PATENTED

ADJUSTABLE TO FIT ALL STANDARD MAKES OF STEEL TRACK

Rope or Cable Draft

*Can Be Used with Slings or Forks*

Fig. 2132



**With Four Wheel 17'' Truck for Double Steel Track  
Elevates Load at Right Angle to Track**

**FIG. 2132** represents the Myers Sure Lock Sling Unloader, designed to meet the most severe requirements of modern farming for unloading hay or grain with either slings or forks.

This machine operates on Double Steel Track, and uses  $\frac{1}{8}$ " Rope or  $\frac{3}{8}$ " Cable. The load is elevated at right angles to the track and when discharged into the mow it lays parallel with the load on the wagon, a decided advantage as it requires less labor in distributing the hay over the mow. It operates automatically and is tripped by the sling pulleys striking a plate immediately under the machine; it is also arranged with a separate trip rope, by the

use of which the load may be carried into the mow at any elevation desired. Great care has been used to secure easy draft and convenience of operation.

Reference to the illustration shows the following details of construction: A long wheel base, with large track wheels mounted on turned steel axles. The rope sheave is 7 inches in diameter, fitted with **Roller Bearings**. The lock, the most important unit of a sling unloader, is arranged so that the pressure is proportional to the weight of the load by which it is controlled. The lock is so powerful that smooth faced jaws only are necessary, eliminating all wear on the rope or cable.

## PRICE LIST, Represented by Fig. 2132

		Price
No. 32, Myers Adjustable Sure Lock Sling Unloader, Rope Draft. Will fit all Standard Makes of Steel Track. Weight 68 Lbs. ....	RELET	\$24.00
No. 38, Same as No. 32 for Cable Draft. Weight 68 Lbs. ....	RELIL	25.00
Fig. 1139 Triple Hoist Pulley Attachment for above Rope Draft Unloaders, extra .....		.75

**REPAIRS:** See Pages 346-347, No. R40 Repair Catalog





# THE MYERS SURE LOCK SLING UNLOADER

PATENTED

ADJUSTABLE TO FIT ALL STANDARD MAKES OF STEEL TRACK

Rope Draft

*Can Be Used with Slings or Forks*

Fig. 2054

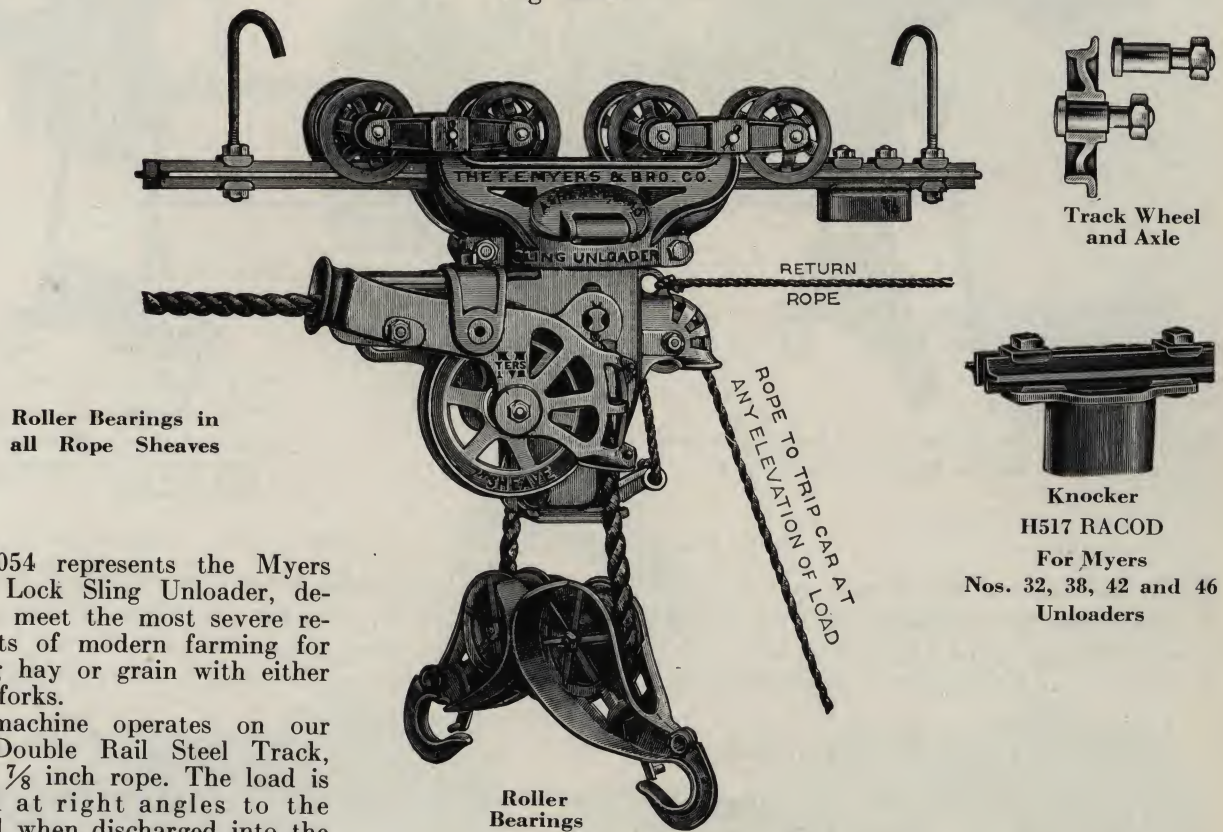


FIG. 2054 represents the Myers Sure Lock Sling Unloader, designed to meet the most severe requirements of modern farming for unloading hay or grain with either slings or forks.

This machine operates on our regular Double Rail Steel Track, and uses  $\frac{7}{8}$  inch rope. The load is elevated at right angles to the track and when discharged into the mow it lays parallel with the load on the wagon, a decided advantage as it requires less labor in distributing the hay over the mow.

It operates automatically and is tripped by the sling pulley striking a plate immediately under the machine. It is also arranged with a separate trip rope, by the use of which the load may be carried into the mow at any elevation desired. Great care has been used to secure easy draft and convenience of operation.

Reference to the illustration shows the following details of construction: A long heavy wheel base truck with eight large track wheels mounted on

8 Wheel Flexible Engine Truck for Double Steel Track  
Elevates Load at Right Angle to Track

turned steel axles. The rope wheel is 7 inches in diameter, fitted with **Roller Bearings**. The rope lock, the most important unit of a sling unloader, is arranged so that the pressure on the rope is proportional to the weight of the load, by which it is controlled. The lock is so powerful that smooth faced jaws only are necessary, eliminating all wear on the rope or cable, as it does not slip.

## PRICE LIST, Represented by Fig. 2054

No. 42, Myers Adjustable Sure Lock Unloader, Rope Draft. Will fit all Standard Makes of Steel Track.	Price
Weight 72 Lbs. .... RACEY	\$25.50
Fig. 1139 Triple Hoist Pulley Attachment for above Unloader, extra .....	.75

REPAIRS: See Pages 346-347, No. R40 Repair Catalog



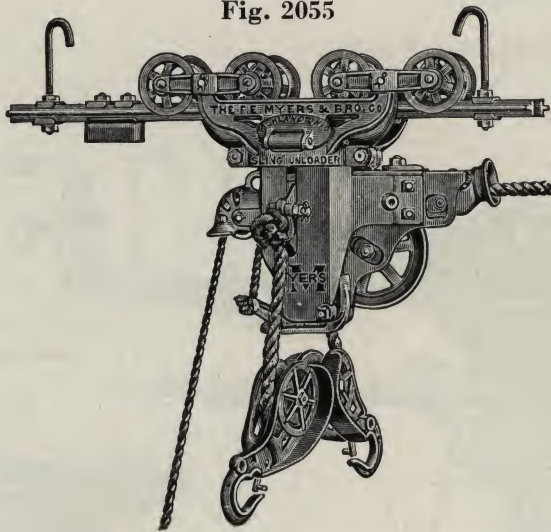


# THE MYERS SURE LOCK SLING UNLOADER

PATENTED

*Can Be Used with Slings or Forks*

Fig. 2055



Eight Wheel Flexible Engine Truck for Double Steel Track  
Elevates Load at Right Angle to Track

Fig. 1139

REKHO

Price, \$ .75 Each



TRIPLE HOIST  
ATTACHMENT

Used on Either  
8 or 4 Wheel  
Sure Lock  
Unloaders

Fig. 3041

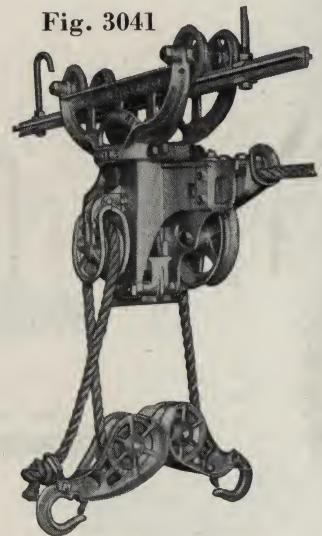


Fig. 3041 Illustrates the placing  
of the triple hoist pulley and  
the manner in which the Ropes  
are threaded.

Roller Bearings in All Rope or Cable Sheaves

FIG. 2055 shows the reverse side of the Myers Sure Lock Sling Unloader, illustrating the manner in which the end of the Rope is attached to the Clevis. To convert the Carrier into a Triple Hoist Machine,

this Clevis is replaced by a special Pulley, Fig. 1139, as shown in Fig. 3041 through which the Rope is passed and the Clevis is then attached to the Eye in the Sling Pulley below, converting it into a Triple Hoist Carrier.

Fig. 2056

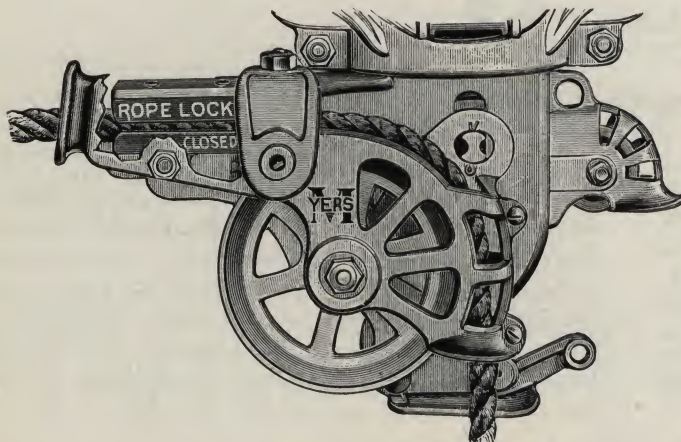
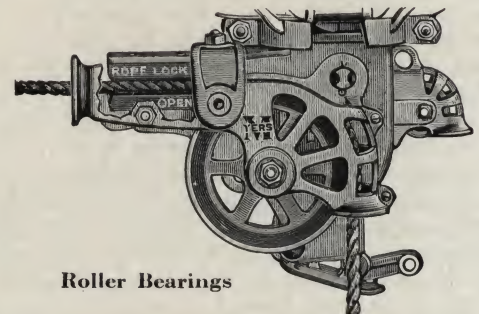


FIG. 2056 shows a section of the Frame cut away, illustrating the Rope Lock as closed or locked, which holds the load. The under side of the Lock is pivoted on the Bolt underneath, making it a flexible part; no chance to chafe or tear the rope.

Fig. 2057



Roller Bearings

FIG. 2057 shows a section of the Frame cut away, illustrating the Rope Lock as open and the Rope passing clear of any obstruction.





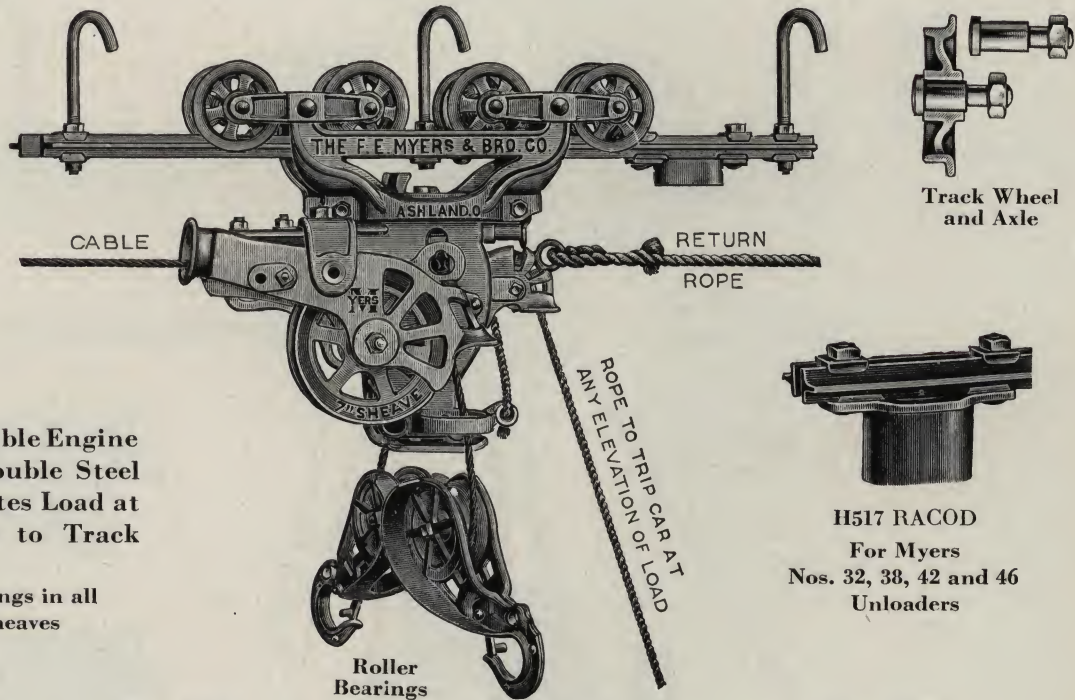
# THE MYERS SURE LOCK SLING UNLOADER

PATENTED

Adjustable To Fit All Standard Makes of Steel Track . . . Cable Draft

*Can Be Used with Slings or Forks*

Fig. 2129



8 Wheel Flexible Engine  
Truck for Double Steel  
Track. Elevates Load at  
Right Angle to Track

Roller Bearings in all  
Cable Sheaves

Roller  
Bearings

H517 RACOD

For Myers  
Nos. 32, 38, 42 and 46  
Unloaders

Fig. 2130

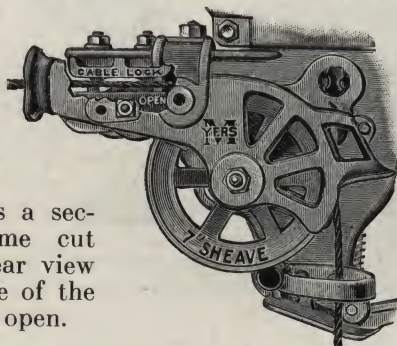


Fig. 2130 shows a section of the frame cut away to give a clear view of the free passage of the cable when lock is open.

Fig. 2131

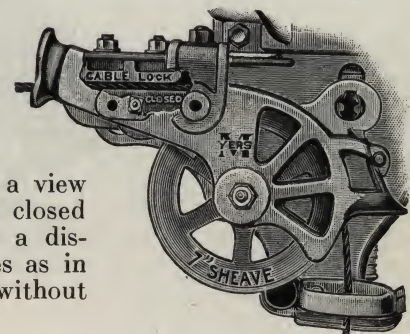


Fig. 2131 shows a view of the lock when closed gripping the cable a distance of four inches as in a vice. It holds without slipping.

FIG. 2129 represents the Myers Sure Lock Sling Unloader, for Cable Draft, designed to meet the most severe requirements of modern farming for unloading hay or grain with either slings or forks.

This machine operates on our regular Double Rail Steel Track, and uses Steel Cable Draft, instead of Rope. This unloader is exactly the same as the No. 42, fully described on previous page, with the excep-

tion that it is fitted with a special smooth faced case hardened lock designed for holding cable.

The lock, the most important unit of a sling unloader, is arranged so that the pressure on the cable is proportional to the weight of the load by which it is controlled, and is so powerful that smooth faced jaws only are necessary, eliminating all wear on the cable. Use  $\frac{3}{8}$ " Cable.

## PRICE LIST, Represented by Fig. 2129

No. 46, Myers Adjustable Sure Lock Unloader, Cable Draft. Will fit all Standard Makes of Steel Track. Weight 78 Lbs. . . . . RACJO

Price  
\$26.50

REPAIRS: See Pages 346-347, No. R40 Repair Catalog



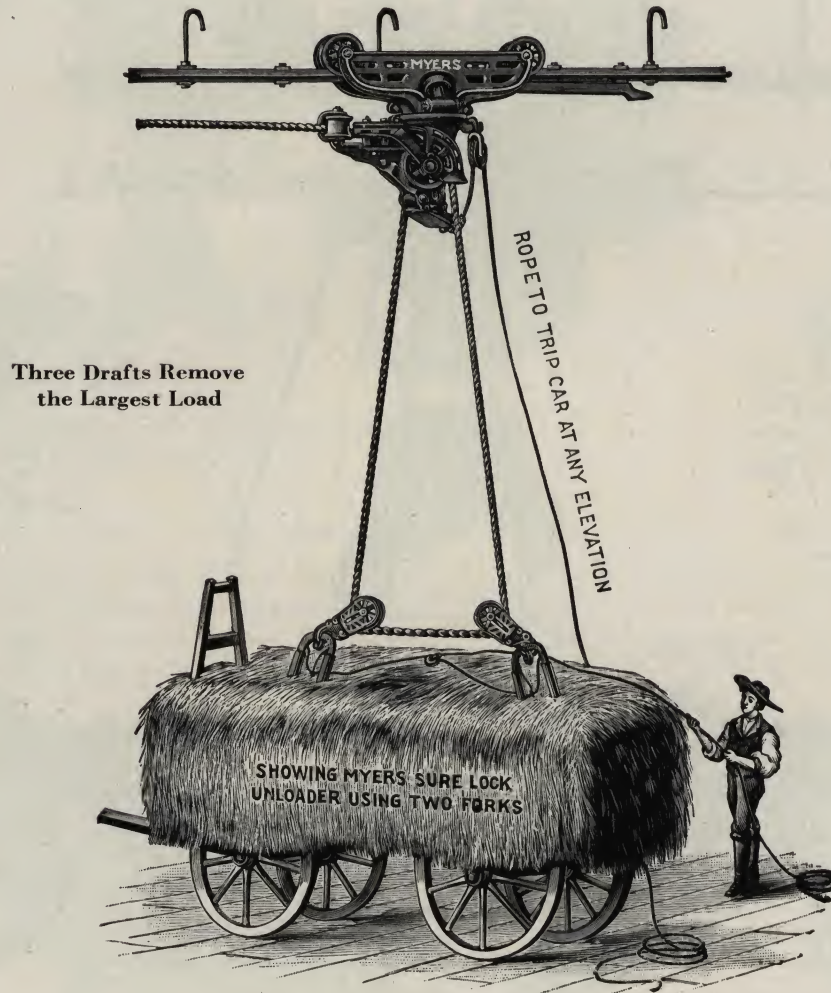


# THE MYERS SLING UNLOADER AS USED WITH TWO FORKS

PATENTED

Elevates Load at Right Angle to Track

Fig. 1334



Use a trip rope about 8 feet long between the two forks, tie your regular trip *securely* in a loop in the center of this 8 foot rope. This will trip both forks at the same time. Try it out. You will be surprised.

**FIG. 1334** illustrates the Myers Two-Fork Unloader in operation.

We call particular attention to this outfit, and to its unusual capacity. By using two forks, placing one at either end of the load of hay, the entire top of the load can be removed at one draft, thus handling as much hay at one draft as can possibly be done in three drafts by using a single fork.

This tool is in line with present practice of using larger machinery to expedite the work on the farm.

The unloader can also be used with one hay fork or with the ordinary slings, thus making a most desirable tool for the farmer, as no time whatever is required to make the change from forks to slings, or vice versa, as it can be done instantly by simply unhooking the fork from the pulley and attaching the sling.





# THE MYERS SURE LOCK SLING UNLOADER

PATENTED

*Can Be Used with Slings or Forks*

Rope or Cable Draft

For Wood Track

Fig. 2102

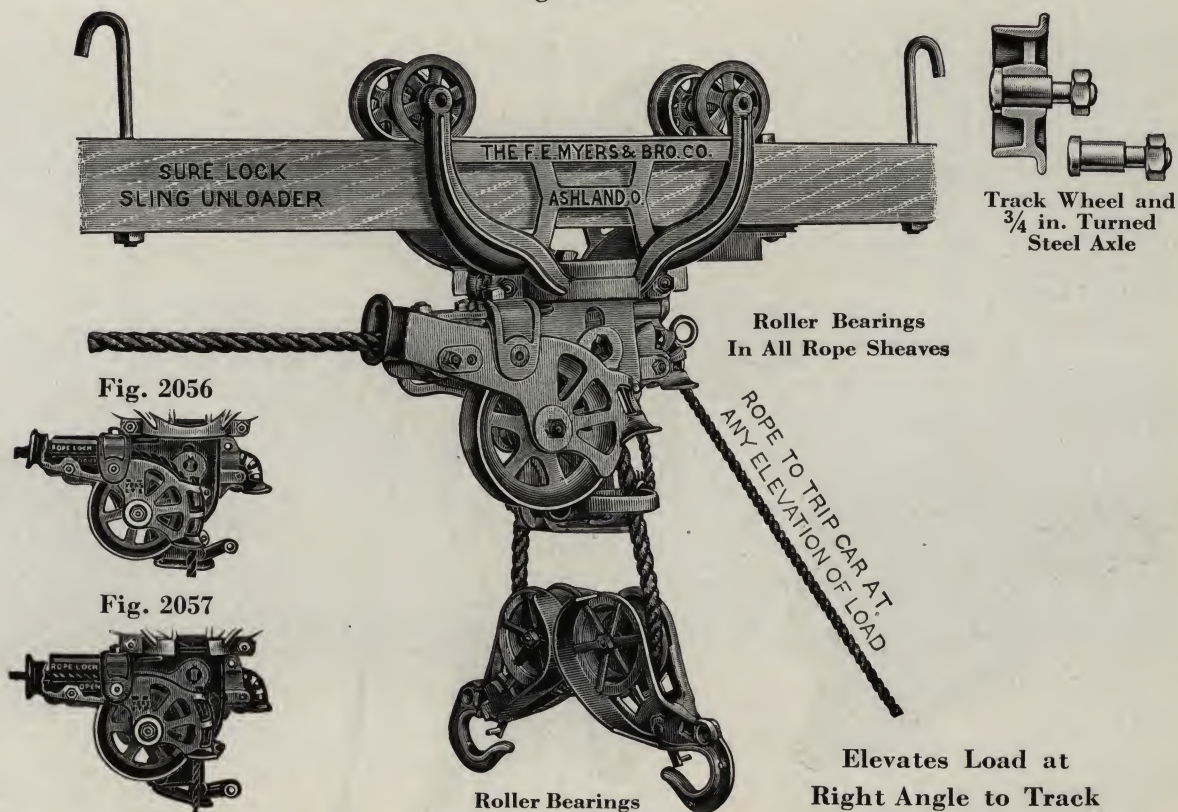


FIG. 2102 represents the Myers Sure Lock Sling Unloader, designed to meet the most severe requirements of modern farming for unloading hay or grain with either slings or forks.

This machine operates on Wood Track, and uses  $\frac{7}{8}$ " Rope or  $\frac{3}{8}$ " Cable. The load is elevated at right angles to the track and when discharged into the mow it lays parallel with the load on the wagon, a decided advantage as it requires less labor in distributing the hay over the mow. It operates automatically and is tripped by the sling pulleys striking a plate immediately under the machine. It is also arranged with a separate trip rope, by the use of which the load may be carried into the mow at any elevation desired. Great care has been used to secure easy draft and convenience of operation.

Reference to the illustration shows the following

details of construction: A long-wheel base, with large track wheels mounted on turned steel axles. The rope wheel is 7 inches in diameter, fitted with Roller Bearings. The rope lock, the most important unit of a sling unloader, is arranged so that the pressure on the rope is proportional to the weight of the load, by which it is controlled. The rope lock is so powerful that smooth faced jaws only are necessary, eliminating all wear on the rope, as it does not slip.

Fig. 2056 shows a section of the Frame cut away, and illustrates the Rope Lock closed or locked, which holds the load. The under side of the Lock is pivoted on the Bolt underneath, making it a flexible part; no chance to chafe or tear the rope.

Fig. 2057 illustrates the Rope Lock as open and the Rope passing clear of any obstruction.

## PRICE LIST, Represented by Fig. 2102

		Price
No. 47, Myers Sure Lock Sling Unloader, Rope Draft, for Wood Track, Wt. 65 lbs. ....	RADOC	\$25.50
No. 48, Same as No. 47, for Cable Draft, Wt. 68 lbs. ....	RADVO	26.50
Fig. 1139 Triple Hoist Pulley Attachment for No. 47 Unloader, extra .....		.75

REPAIRS: See Pages 346 and 347, No. R40 Repair Catalog





# THE MYERS SURE LOCK SLING UNLOADER

PATENTED

*Can Be Used with Slings or Forks*

For Cable Track

Rope or Cable Draft

One Way Not Reversible

Fig. 2190

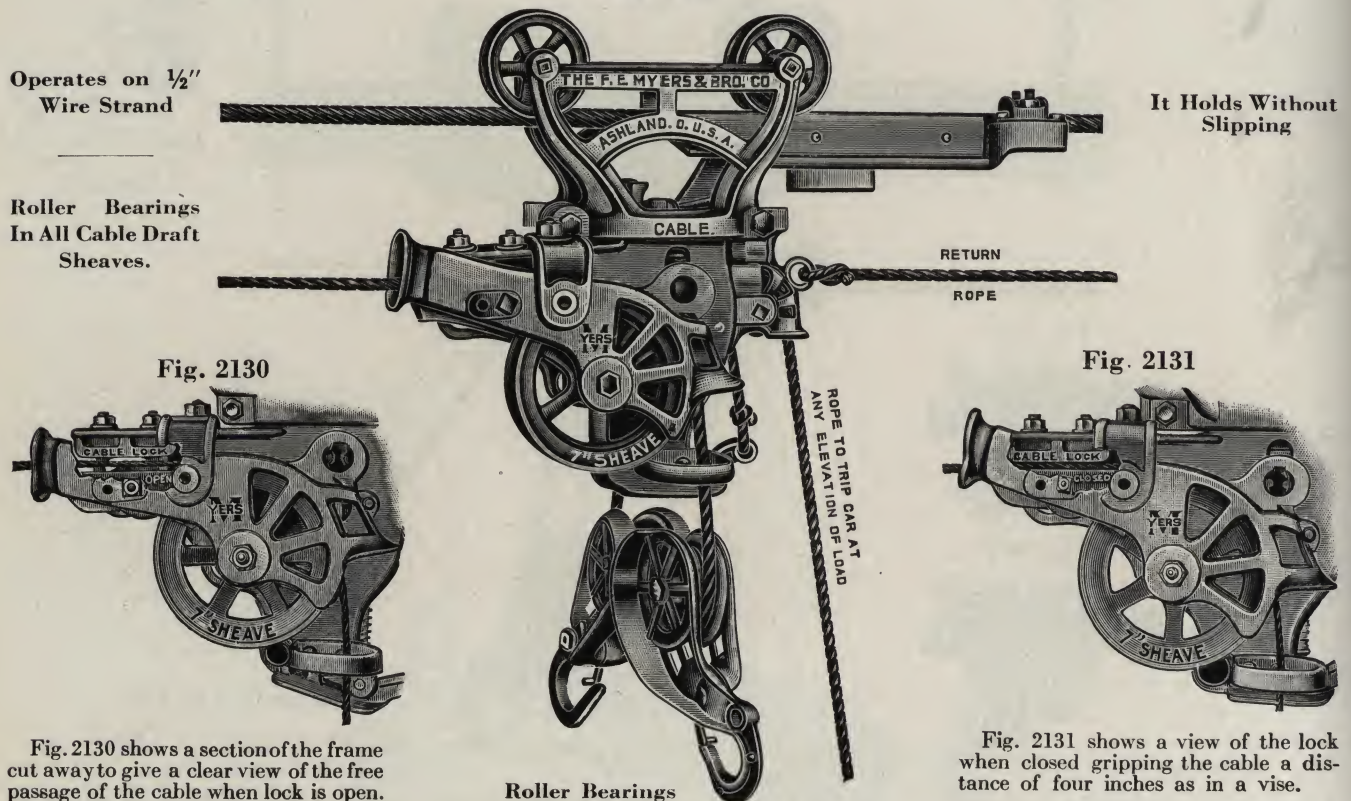


Fig. 2130 shows a section of the frame cut away to give a clear view of the free passage of the cable when lock is open.

Fig. 2131 shows a view of the lock when closed gripping the cable a distance of four inches as in a vise.

## Elevates Load at Right Angle to Track

FIG. 2190 represents the Myers Sure Lock Sling Unloader, designed to meet the most severe requirements of modern farming for unloading hay or grain with either slings or forks.

This machine operates on CableTrack, and uses  $\frac{7}{8}$  inch Rope or  $\frac{3}{8}$  inch Cable. The load is elevated at right angle to the track and when discharged on the stack it lays parallel with the load on the wagon, a decided advantage as it requires less labor in distributing the hay. It operates automatically and is tripped by the sling pulleys striking a plate immediately under the machine. It is also arranged with a separate trip rope, by the use of which the load may be carried

to the stack at any elevation desired. Great care has been used to secure easy draft and convenience of operation.

Reference to the illustration shows the following details of construction: A long wheel base with large track wheels mounted on steel axles. The rope or cable sheave is 7 inches in diameter, fitted with Roller Bearings. The lock, the most important unit of a sling unloader, is arranged so that the pressure is proportioned to the weight of the load by which it is controlled. The lock has a vise grip and is so powerful that smooth faced jaws only are necessary, eliminating all wear on the rope or cable.

## PRICE LIST, Represented by Fig. 2190

		Price
No. 36, Myers Sure Lock Sling Unloader, Cable Draft for Cable Track, Wt. 70 lbs. ....	RADYI	\$25.00
No. 37, Myers Sure Lock Sling Unloader, Rope Draft for Cable Track, Wt. 70 lbs. ....	RAFAD	24.00

REPAIRS: See Pages 346-347, No. R40 Repair Catalog





# MYERS CABLE TRACK SLING UNLOADER

*For Stacking in the Field*

Fig. 2395



## Material Required for a Cable Outfit for a 50 Foot Stack:

One cable unloader.

One hay fork.

150 feet  $\frac{1}{2}$ " Galvanized Steel Strand.

Two single cable clamps, Fig. 431.

Two double cable clamps, Fig. 432.

Two  $\frac{1}{2}$  x 8 inch carriage bolts for fastening poles together.

130 feet  $\frac{3}{4}$  inch Manila Rope or  $\frac{5}{16}$  inch Soft Steel Cable.

Two pulleys.

Four poles, 4 x 4 inches x 30 feet long.

## Galvanized Steel Strand



Is composed of seven No. 8 wires, is  $\frac{1}{2}$  inch diameter; weight, 52 pounds per 100 feet; breaking strain, 8,320 lbs.

## Cable Clamps

Fig. 431

RAFEV

Price \$ .35 each

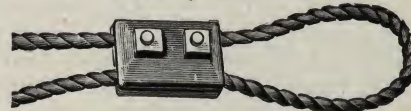


Single

Fig. 432

RAFIN

Price \$ .50 each



Double





# MYERS SWIVEL CROSS DRAFT SLING UNLOADER

Adjustable to Fit All Standard Makes of Steel Track

4 or 8 Wheel Truck

Rope Draft

*Can Be Used with Slings or Forks*

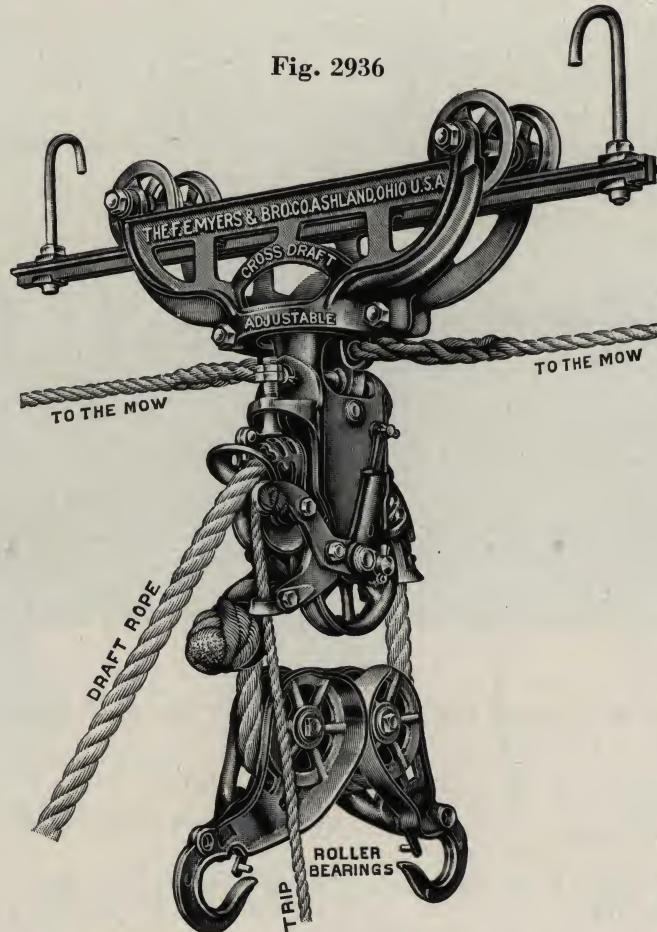
PATENTED

Fig. 2936

The Only Cross Draft Unloader BUILT WITH A SWIVEL, which permits the head or lower section to always line up with the first pulley through which the Draft Rope passes (no chafing of the rope.)

Draft Rope Runs  
Direct from  
Unloader to Floor  
Pulley.

This Unloader is designed  
for HIGH AND LONG  
BARNs and not for low  
barns or sheds.



## 17 Inch Wheel Base

Elevates the Load at Right Angle to the Track and holds it at any point of elevation. No knocker required.

## ADJUSTABLE IN WIDTH

Can be used on any make of Steel Track. The adjustment is made by shifting the Steel Washers on the track wheel axles from OUTSIDE of the truck frame to the INSIDE.

Use  $\frac{7}{8}$ " Rope

FIG. 2936 illustrates the Myers Cross Draft Sling Unloader for use on steel track. The draft rope running direct from the carrier to the floor pulley permits the use of a much shorter draft rope and a less walk for the horse than is the case with the other styles of sling carriers.

Construction: The Cross Draft Sling Carrier is constructed on the same principle as the Myers Sure Lock Sling Unloader, inasmuch as the entire weight of the load bears on the locking device. This means the heavier the load the greater the pressure on the lock; hence no chance for the rope to slip. In addition to this, the main rope sheave is fitted with lugs which engage

with dogs, thus stopping the revolving of the wheel and assisting the rope lock. It cannot cut the rope.

The carrier is so constructed that a knocker or stop block on the Track is not required, as the Rope Lock operates to hold the load at any height at which it may be when the team stops.

The Frame or Truck is interchangeable with the Trucks used on all Myers Sure-Lock Unloaders.

The rope sheave carrying the load revolves on large steel axle.

The track wheels are  $3\frac{1}{4}$  inches in diameter and revolve on  $\frac{3}{4}$  inch turned steel journals.

## PRICE LIST, Represented by Fig. 2936

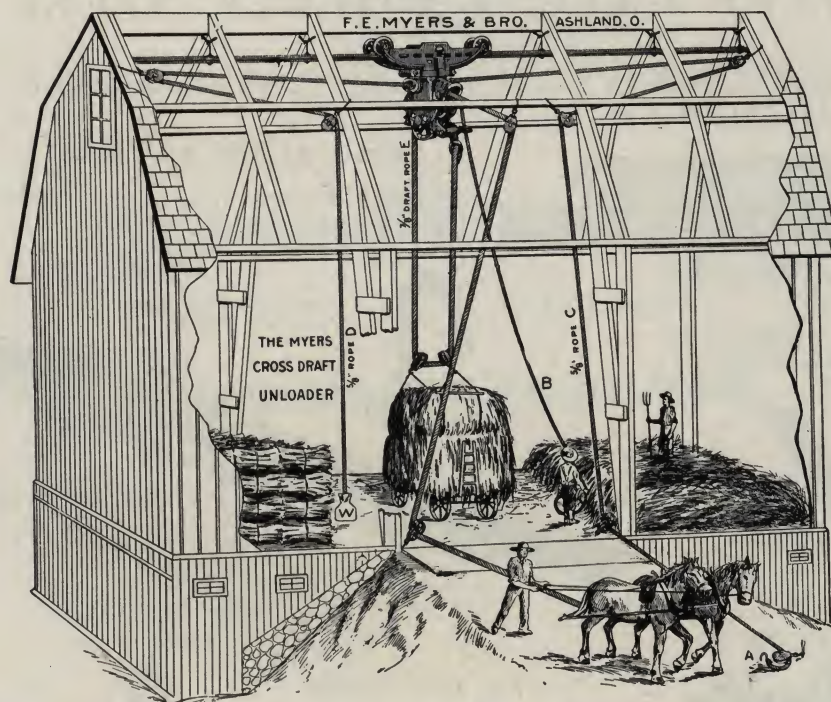
	Price
No. 82, Myers Cross Draft Sling Unloader with 4 Wheel Truck for Steel Track. Weight 44 lbs.....	REROS \$24.00
No. 84, Myers Cross Draft Sling Unloader with 8 Wheel Truck for Steel Track. Weight 48 lbs.....	RERUG 25.50
No. 86, Myers Cross Draft Sling Unloader with 4 Wheel Truck for Wood Track. Weight 46 lbs.....	RESDO 25.50

REPAIRS: See Page 344, No. R40 Repair Catalog





Fig. 1417



This Carrier is designed for **HIGH AND LONG BARN**s and not for low barns or sheds.

The Only Cross Draft Unloader Built with a Swivel which permits the head or lower section to always lineup with the pulley through which the Draft Rope passes (no chafing of the rope.)

#### Directions for Putting Up and Operating the Myers Cross Draft Unloader

The Carrier is mounted on the track with the smaller sized rope sheave facing the front of the barn or the large barn doors. The end of the draft rope E is tied to the small swivel eye in the center of the carrier. The other end of the draft rope is then passed through the two malleable frame pulley blocks with the flat flanged faces facing each other, after which the end

of the rope is passed over the larger sheave and directly through the center of the carrier, passing over the top of the small sheave. From this point it is carried to a pulley suspended to the perline plate over the center of the floor. From this point it is carried down to a pulley located at the side of the floor.

#### Reverse Ropes, or the Smaller Ropes to Draw the Carrier and Load into the Mow

Use  $\frac{1}{2}$  or  $\frac{5}{8}$  inch rope C, attaching same to the loop on the side of the frame of the carrier; then carry this rope through a pulley attached to the rafter at or near the end of the track; from this point carry the rope to a pulley tied to the perline plate over the floor just outside of the mow, thence down and through a pulley on the floor at the opposite side from where the draft rope pulley is attached. This small rope is then carried out in front of the barn and passed through a pulley attached to A stake. This stake is located a distance from the barn corresponding to the distance from the center of the barn floor back to the end of the barn plus about 12 feet (which equals the length of the team and hitch). To the end of this rope attach the wrought iron hook that is furnished with the carrier. A similar rope D is attached to the loop on the opposite side of the carrier and carried through pulleys at the other end of the barn in the same manner, which allows the car to be operated in either direction without further change than using this opposite rope instead of the one referred to.

ponding to the distance from the center of the barn floor back to the end of the barn plus about 12 feet (which equals the length of the team and hitch). To the end of this rope attach the wrought iron hook that is furnished with the carrier. A similar rope D is attached to the loop on the opposite side of the carrier and carried through pulleys at the other end of the barn in the same manner, which allows the car to be operated in either direction without further change than using this opposite rope instead of the one referred to.

#### Operation

The team is attached to the draft rope E and driven out the distance necessary to lift the load as high as required; this only need be such distance as will permit the load of hay to clear the cross beams, at which point the team can be stopped. (The carrier is so arranged that it will hold the load at any point). Then turn the team about, and in coming back past the stake to which the pulley is attached you attach the large wrought iron hook A to the doubletree or singletree, and the horses passing back to the barn draw the load into the mow. The result is that when the load is back over the mow the team is at the barn ready to start again. You now detach the wrought iron hook A from the doubletrees and drop it to the ground. The operation of returning the carrier to the

point over the load also returns the hook and small rope to the pulley out in the yard. To drop the fork or slings to the wagon it is necessary to give a slight pull by hand on the draft rope E, which releases the lock on the carrier and allows the slings or fork to descend. The carrier is also arranged to attach a trip rope B to be operated from the load to release the lock to drop the slings. This rope B can be used instead of pulling on the large draft rope E.

Most users attach a weight to one of these small ropes D or C of sufficient weight to return the carrier to a point over the load, which makes it much easier for the operator. This, however, is optional with the user.





# THE MYERS PATENT DOUBLE STEEL TRACK

PATENTED

Fig. 824 RAGIM



12 and 6 Foot Lengths

Fig. 301 RAGAC  
\$5.00 per 100



Steel

Fig. 3173 RIBEH



Included free with the Track.  
\$35.00 per 100 As An Extra.

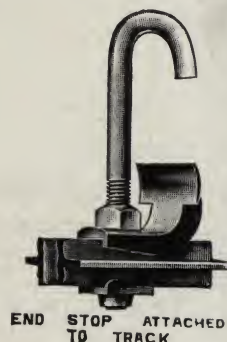
Over 41,300,458 Feet  
of This Track Has Been Sold

Fig. 1282



Fig. 302 RAGHO  
\$20.00 per 100

Fig. 1042 RAGBA  
\$12.50 per 100



END STOP ATTACHED  
TO TRACK

THE above cuts represent our Patent Double Steel Track, which is made by placing two T steel rails together, held to place by the clamps and hanging hooks, with space between so the hanging hook can be placed where it coincides with rafter. The joints are made with a three bolt clamp, Fig. 824. The hanging hook serves as a clamp also, and adds much in holding track to place, and is the most complete device known for a hay or merchandise carrier track. It is easily put up. No riveting. A wrench is the only tool needed. The rails are made to our special order, and are what is known as rail carbon—are uniformly stiff and hard.

THE JOINT CLAMP is composed of two pieces of malleable iron and three  $\frac{1}{2}$  inch bolts, by means of which the track is clamped together with what is known as a broken joint, as shown in Fig. 824. This gives the same strength at the joint as in any other part of the track.

THE HANGING HOOK is  $\frac{1}{2}$  inch steel with a malleable clamp and locknut and is adjustable to any point on the track.

By using the locknut the hanging hook forms a brace to the track thus not only carrying the weight at the hook, but also stiffening the track between the hooks, as the hook is a rigid part of the track after placed in position.

A special feature of the Myers rail is that anyone can put up 100 feet of Myers Double Steel Track in the same time required to put up 50 feet of any other make of track. The reason for this is that in placing the Myers track the first thing necessary is to place the rafter brackets, then bring up the 12 foot lengths of track and place the hanging hooks over the rafter brackets and through the track, after which the nuts are drawn tight. Thus you will notice that we begin at the top of the barn and finish at the bottom of the track with nothing in the way; whereas, with other styles of double track it is necessary to begin at the bottom of the track, placing the hanging hook in position, then place the rafter bracket through the hanging hook and nail the rafter bracket in place. This requires time as the operator is always working under a disadvantage.



The above illustration shows a bundle of Myers Double Steel Track as put up for shipment.



The above cut represents a 12 foot length of Myers Double Steel Track clamped together as shipped out. Note offset at the end of the track, which illustrates the manner in which the splice is made, thus giving the same strength to the joint as on the balance of the track.

Myers Double Steel Track, 12 and 6 foot lengths, with Joint Clamps and Bolts, (Hanging Hooks Extra). Per foot.....RAGIM  
Weight 2 lbs. per Foot

Price  
\$ .25



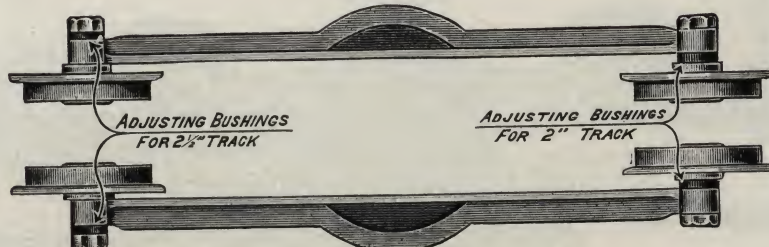


# THE MYERS O. K. ADJUSTABLE HAY UNLOADER

PATENTED

*Adjustable to Fit All Standard Makes of Steel Tracks*

Fig. 2421



Has Extra Long Truck

16" Wheel Base

Fig. 987

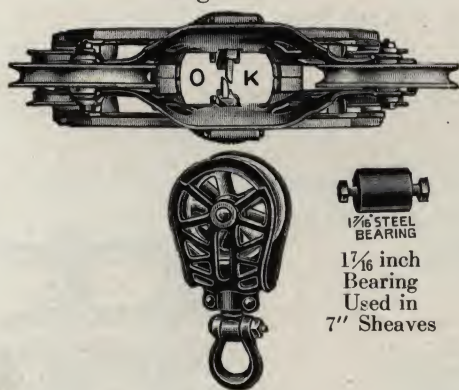


FIG. 987 represents a bottom view of the Myers O. K. Hay Unloader with fork pulley detached.  
*Note the large opening in carrier to receive the fork pulley. It is impossible for it to miss. Fork pulley has extremely short nose and is held in position by two separate locks.*

Fig. 1086

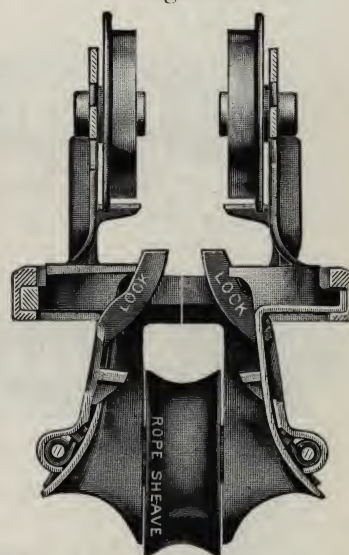
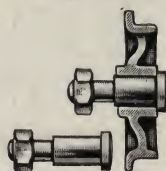


Fig. 1086 shows a cross section of the car and its great strength. Note the two separate locks that engage both sides of fork pulley frame. Either lock will hold the load regardless of the other.

Fig. 3157



3 1/4" Track Wheel and 3/4" Turned Steel Axle with Nut  
 Weight Carried in Center of Wheel



KNOCKER

Bottom View of Knocker, Showing Manner in which Double Lock Operates

See Pages 338 and 347 for instructions for ordering Knockers



Bolt and 3/4" Steel Bushing for 4" Plain Bearing Rope Sheave



4" Rope Sheave. Notice long hub and large bearing





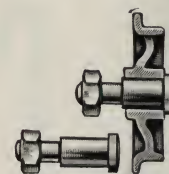
# THE MYERS O. K. ADJUSTABLE HAY UNLOADER

PATENTED

*Adjustable to Fit All Standard Makes of Steel Track*

For Rope Draft

Fig. 2742



Track Wheel  
and  $\frac{3}{4}$  in.  
Turned Steel  
Axle

Rope Sheaves Have Plain or Roller Bearings

Has Extra Long Truck

16" Wheel Base

Rope Reversible and Swivel

For Double Steel Track

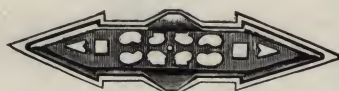
Has  $\frac{3}{4}$ " Turned Steel Axles

Track Wheels  $3\frac{1}{4}$ " in Diameter

Use  $\frac{3}{4}$ " or  $\frac{13}{16}$ " Rope



Bottom View  
Note the Wide Mouth



Bottom View of Knocker

See Pages 338 and 347 for  
instructions for ordering  
Knockers



H512 RAHUM  
For Myers  
Nos. 201 and 208  
Adjustable Unloaders

The Myers O. K. Unloader is our latest and best production. It has extra long and heavy truck, which distributes the load on track adapting the unloader for heavy work, such as two forks.

FIG. 2742 illustrates the Myers O. K. Hay Unloader, Combination, Reversible, as made to be used in connection with our regular double angle steel track. This carrier embodies all the features of the straight reversible and swivel reversible carrier and has many advantages over other machines. It is fitted with our old reliable Double Lock, which engages the fork pulley on each side, thus insuring a perfect locking device.

One of the important features of this machine is the wide open mouth, which permits the fork pulley to enter when swinging at any angle, thus insuring a satisfactory working carrier under any and all conditions. The rope sheaves are fitted with wide hub and have longer bearings on the axle than other make of carriers.

## PRICE LIST, Represented by Fig. 2742

No. 201, Myers Adjustable O. K. Unloader, Rope Draft. Will fit all Standard Makes of Steel Track.			Price
Plain Bearings: Weight, 28 lbs. ....	RAHNA		\$12.00
No. 202, Same as No. 201 with Roller Bearings .....	REWON		13.00

REPAIRS: See Pages 349 to 351, No. R40 Repair Catalog





# THE MYERS O. K. ADJUSTABLE HAY UNLOADER

PATENTED

*Adjustable to Fit All Standard Makes of Steel Tracks*

**For Rope or Cable Draft**

**Rope Sheaves Have Plain or Roller Bearings**

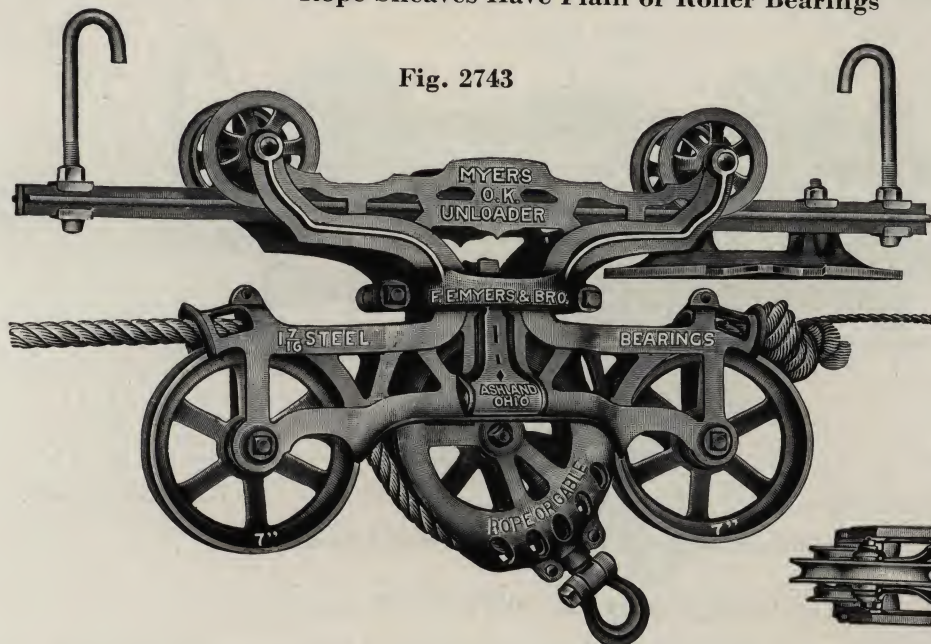
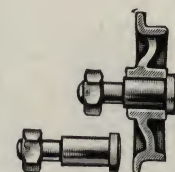


Fig. 2743



Track Wheel  
and  $\frac{3}{4}$ " Turned  
Steel Axle



Bottom View  
Note the Wide Mouth

**Has Extra Long Truck**

**16 Inch Wheel Base**

**Large Steel Bearings**

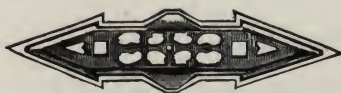
**Rope Reversible and Swivel**

**For Double Steel Track**

**Has Seven Inch Sheaves**

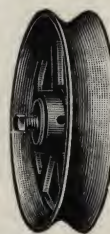


**H512 RAHUM**  
For Myers  
Nos. 201 and 208  
Adjustable Unloaders



Bottom View of Knocker

See Pages 338 and 347 for  
instructions for ordering  
Knockers.

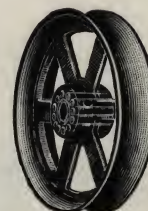


$1\frac{1}{2}$ " STEEL  
BEARING

Sheave will carry Rope  
or Cable. The Bearing  
is  $1\frac{1}{16}$  inch Polished  
Steel



$1\frac{1}{2}$ " STEEL  
BEARING



ROLLER  
BEARING

Showing Roller  
Bearings and  
Sheave that carries  
either Rope or  
Cable.

**FIG. 2743** represents the Myers O. K. Hay Unloader as built for rope or cable draft rope. The special advantage of using wire rope is that it is much easier to handle than a large rope. It also gives practically three times the amount of wear, while the original expense of the wire over the manila is but

slight, the unloader being adapted to either rope or cable, will be appreciated.

The sheaves are seven inches in diameter, with a groove suitable for carrying  $\frac{3}{4}$ " or  $\frac{1}{2}$ " Manila or  $\frac{3}{8}$  inch wire rope. The bearings on all rope sheaves are  $1\frac{1}{16}$  inch diameter, hard turned steel.

## PRICE LIST, Represented by Fig. 2743

No. 208, Myers Adjustable O. K. Unloader with 7" Sheaves and $1\frac{1}{16}$ " Steel Bearings, Rope or Cable Draft.		
Will fit all Standard Makes of Steel Track. Weight 37 Lbs. ....	RAHOY	\$15.00
No. 216, Same as No. 208 with Roller Bearings .....	RAHTO	16.00

REPAIRS: See Pages 349 to 351, No. R40 Repair Catalog



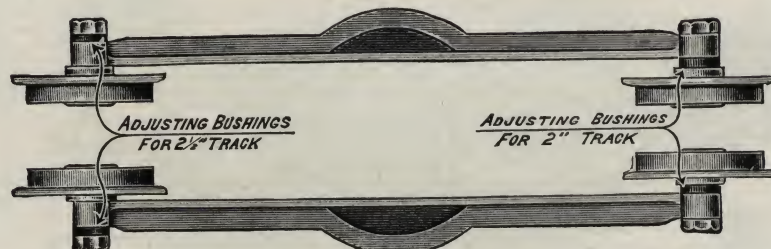


# THE MYERS O. K. ADJUSTABLE HAY UNLOADER

PATENTED

*Adjustable to Fit All Standard Makes of Steel Tracks*

Fig. 2421



Has Extra Long Truck

16" Wheel Base

Rope Reversible and Swivel

For Steel Tracks

Has Three Quarter Inch Turned Steel Axles

Track Wheels  $3\frac{1}{4}$ " in Diameter

**F**IG. 2421 illustrates a Top View of the Myers O. K. or Clover Leaf adjustable Unloader as adapted for use on any kind of Steel Track which is already installed in the barn. The only thing necessary is to change the location of the Metal Washers marked with arrows, to enable any farmer to enjoy the use of

a Myers Fork Unloader on his old track. The Unloader is the same for all Steel Tracks. The only difference is in the Knockers, which are made to fit the Myers, Ney, Olson, Loudon, Porter, Starline Inc., W. & B., Strickler, Hudson, etc. These Knockers carried in stock by the dealer meet all emergencies.

**Knockers for Adjustable Fork Unloaders for the Different Steel Tracks,**

**Price Each, \$ .70**



**H512 RAHUM**  
For Myers  
Nos. 201 and 208



**H513 RAHWI**  
Ney, Olson, Law, Goshen,  
Rochester, Ricker, Peerless, James



**H514 RAJAZ**  
Loudon or Porter



**H515 RAJER**  
H, H & F  
Harvester or Star



**H513A REKIM**  
Whitman & Barnes,  
Beatty



**H516 RAJIJ**  
Strickler, Janesville,  
Hudson





# THE MYERS O. K. HAY UNLOADER

PATENTED

*Rope Draft for Wood Track*

Fig. 1547

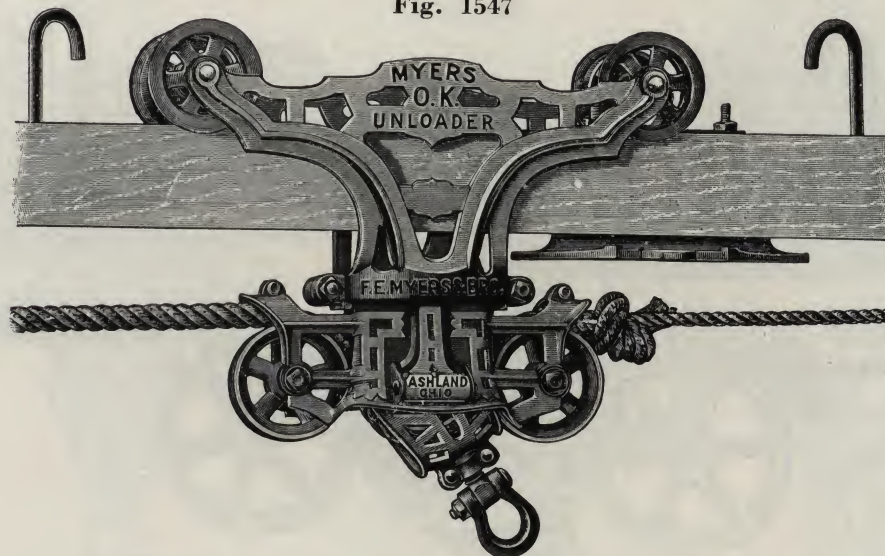
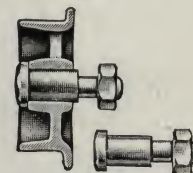


Fig. 3158



Track Wheel and  
Turned Steel Axle  
with nut

Rope Sheaves Have Plain or Roller Bearings



Bottom View

Has Extra Long Truck 16" Wheel Base  
Rope Reversible and Swivel For Wood Track  
Has  $\frac{3}{4}$ " Turned Steel Axles  
Use  $\frac{3}{4}$ " or  $\frac{13}{16}$ " Rope

The Myers O. K. Unloader is our latest and best production. It has extra long and heavy truck, which distributes the load on track adapting the unloader for heavy work, such as two forks

FIG. 1547 illustrates the Myers O. K. Hay Unloader, Combination, Reversible, as made to be used with wood track. This carrier embodies all the features of the straight reversible and swivel carrier and has many advantages over other machines. It is fitted with our old reliable Double Lock, which engages the fork pulley on each side, thus insuring a perfect locking device. One of the important features of this machine is the wide open mouth, which permits the fork

pulley to enter when swinging at any angle, thus insuring a satisfactory working carrier under any and all conditions. The rope sheaves are fitted with wide hub and have longer bearings on the axle than other carriers. We guarantee this machine to be stronger than any other carrier made. For strength, simplicity, neatness of design and up-to-date features it is without a peer.

## PRICE LIST, Represented by Fig. 1547

	Price
No. 205, Myers O. K. Unloader for Wood Track, Plain Bearings, rope draft. Wt., 30 lbs.. RAJOW	\$12.00
No. 206, Same as No. 205 with Roller Bearings .....	REWUB 13.00

REPAIRS: See Pages 349 to 351, No. R40 Repair Catalog





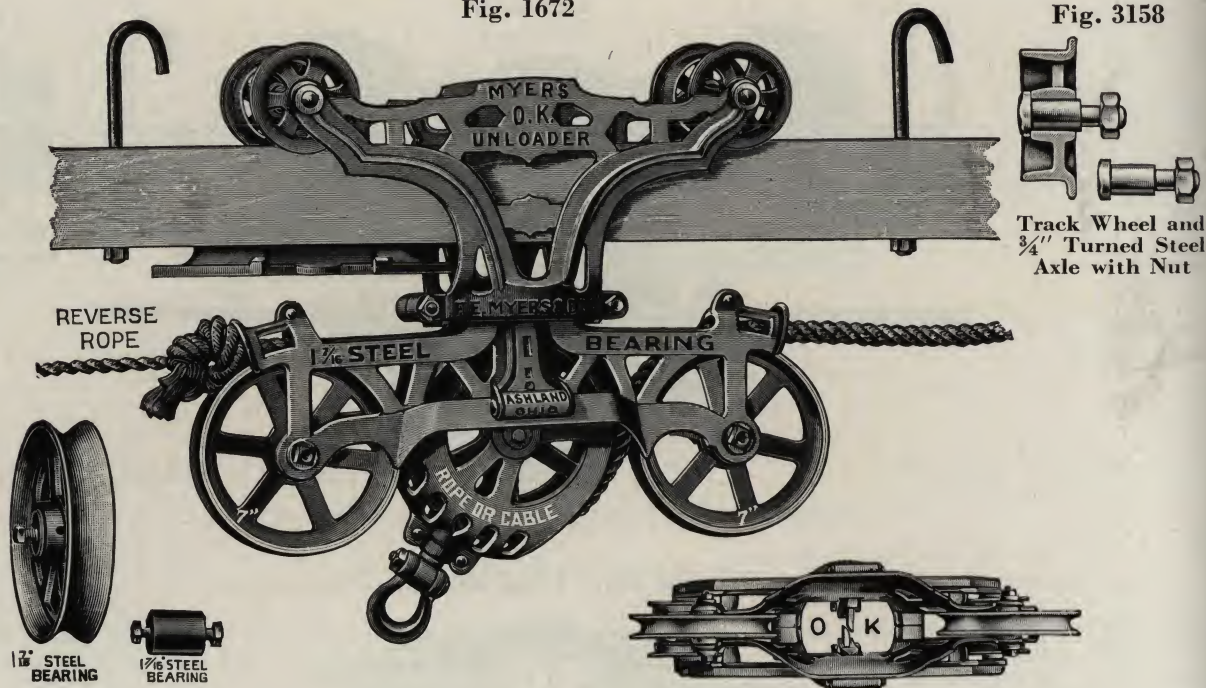
# THE MYERS O. K. HAY UNLOADER

PATENTED

*Rope or Cable Draft for Wood Track*

Fig. 1672

Fig. 3158



Extra Long Truck      16" Wheel Base      7" Sheaves

Rope Sheaves Have Plain or Roller Bearings

Rope Reversible and Swivel

Use  $\frac{3}{4}$ " or  $\frac{13}{16}$ " Rope or  $\frac{3}{8}$ " Cable

The Myers O. K. Unloader with extra long truck and seven inch rope sheaves with Steel Bearings is designed especially for heavy work. The long truck distributes the load on the track and adapts the car for using two forks.

FIG. 1672 illustrates the Myers O. K. Hay Unloader, Combination, Reversible, as made to be used in connection with wood track. This carrier embodies all the features of the straight reversible and swivel reversible carrier and has many advantages over any other machine on the market. It is fitted with the Myers Double Lock, which engages the fork pulley on each side, thus insuring a perfect locking device. One of the important features of this machine is the wide, open mouth, which permits

the fork pulley to enter when swinging at any angle, thus insuring a satisfactory working carrier under any and all conditions. The rope sheaves are seven inches in diameter for use with either rope or cable, fitted with wide hub, and have large Steel Bearings, insuring long life and easy draft. We guarantee this machine to be stronger than any other carrier made. For strength, simplicity, neatness of design and up-to-date features it has never been equalled.

## PRICE LIST, Represented by Fig. 1672

No. 212, Myers O. K. Unloader for Wood Track, rope or cable draft, 7 inch sheaves, $\frac{17}{16}$ inch steel bearings. Weight, 38 lbs.....	RAJPU	\$15.00
No. 220, Same as No. 212 with Roller Bearings .....	RAJSO	16.00

REPAIRS: See Pages 349 to 351, No. R40 Repair Catalog



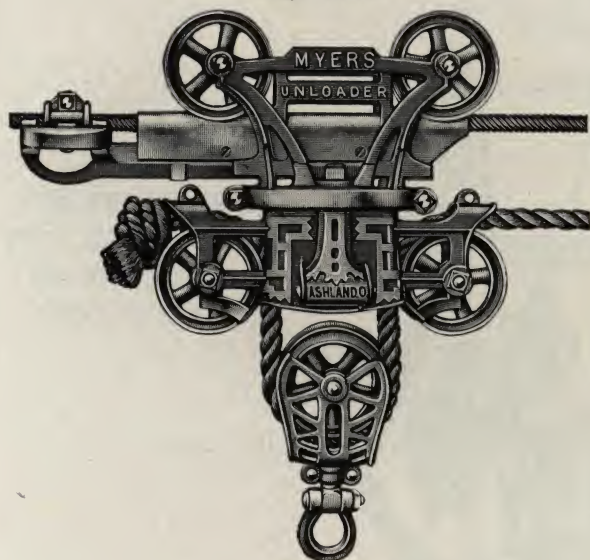


# THE MYERS UNLOADER FOR CABLE OR ROD TRACK

*One Way, Not Reversible*

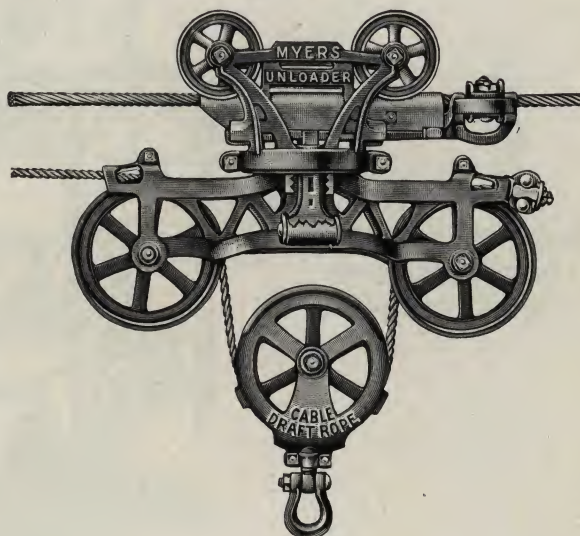
With Patented Swinging Knocker

Fig. 1043



No. 165, Rope Draft Only

Fig. 1298



No. 171, Rope or Cable Draft

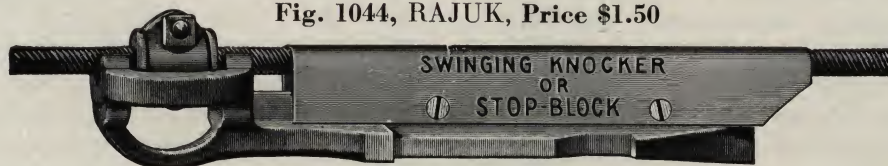
Operates on  $\frac{1}{2}$ " Wire Strand

FIG. 1043 represents the Myers Unloader for cable or rod track. This carrier is built on the same plan as our regular Myers Unloader for steel or wood track. It has large track wheels with wide groove and long axle bearing. The carrier is fitted with wide open mouth, and will receive the fork pulley from any direction, regardless of the swinging of the load. The fork pulley is made with a short top and will swing backward and forward so as to relieve the strain of the swinging load in starting from the knocker. The carrier is fitted with our patented double lock, which engages the knocker on either side. Has 4" Rope Sheaves. Use  $\frac{3}{4}$ " or  $\frac{13}{16}$ " Rope.

Fig. 1298 is the same as Fig. 1043, built with 7 inch rope sheaves and  $1\frac{1}{16}$ " Steel Bearings for use with  $\frac{3}{8}$ " flexible wire rope, or a  $\frac{3}{4}$ " manila rope.

The KNOCKER is one of the special features of this unloader. It is so arranged that it swings loose on the track and stands immediately under the cable, under any and all circumstances. It is held to the cable by means of a steel sleeve through which the cable passes. The sleeve is attached to the knocker by means of two bolts and can be removed at any time without taking down the cable. The knocker is located at any desired point on the cable by means of an ordinary cable clamp.

Fig. 1044, RAJUK, Price \$1.50



## PRICE LIST, Represented by Figs. 1043 and 1298

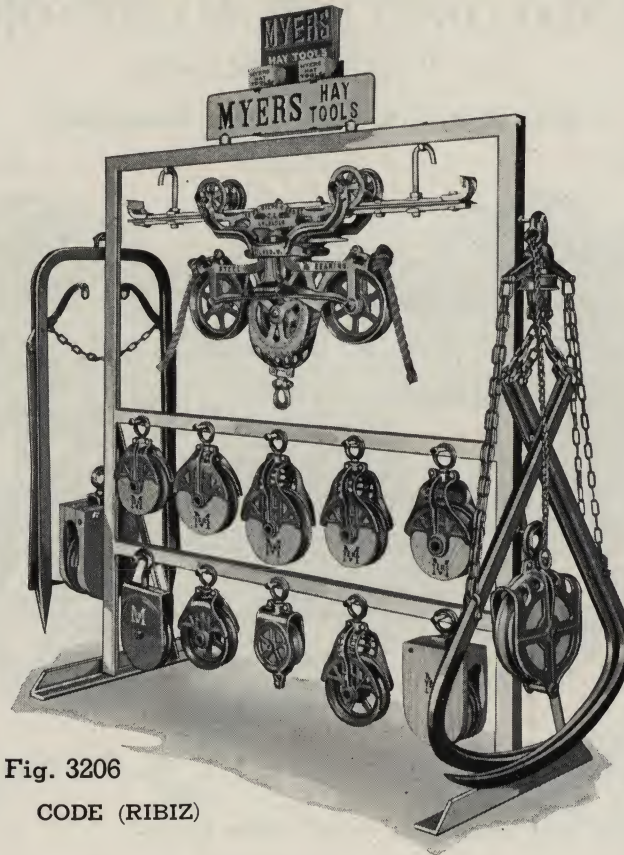
	Price
No. 165, Myers Unloader for Cable or Rod Track, rope draft. Fig. 1043. Weight 30 Lbs. .... RAKAY	\$12.00
No. 171, Myers Unloader for Cable or Rod Track, Fig. 1298, rope or cable draft, 7 inch sheave, $1\frac{1}{16}$ inch plain bearings. Weight 39 Lbs. .... RAKFO	15.00
No. 172, Same as No. 171 with Roller Bearings ..... REVUC	16.00

REPAIRS: See Page 354, No. R40 Repair Catalog





PLACES THE  
MERCHANDISE  
OUT WHERE IT  
WILL BE SEEN



THIS DISPLAY  
STAND WILL GET  
ATTENTION ON  
YOUR FLOOR

Fig. 3206  
CODE (RIBIZ)

## THE MYERS HAY TOOL DISPLAY STAND

*Permits your customers to see how strong and sturdy Myers Unloaders are, and how easily they operate*

This New Display Stand is what you need for developing full line Myers Hay Tool sales. It enables the dealer to attractively display a balanced assortment of Myers Hay Tools and effectively demonstrate the many advantages of Myers Fork Unloaders. If consistently used it will stimulate sales on the complete line of Myers Hay Tools by enabling you to attractively display Myers Forks,

Track, Pulleys, Hanging Hooks and Fixtures.

The Stand is strong Angle Steel, Arc-Welded construction and requires little floor space. Is only 24" wide x 54" long and is 60" high. Beautifully finished in gleaming aluminum paint. A metal pocket for Myers Hay Tool Catalogs and Printed Matter is included as shown in the illustration. Securely crated for shipment.

Furnished free, complete with Track, to active Myers Hay Tool Dealers with a minimum order for

ONE HAY UNLOADER (any style)

TWO HAY FORKS (either Fig. 3125, Fig. 670 or Fig. 1314) and

TWELVE PULLEYS (any assortment).

**This Display Stand will not be supplied unless accompanied by a minimum order.**

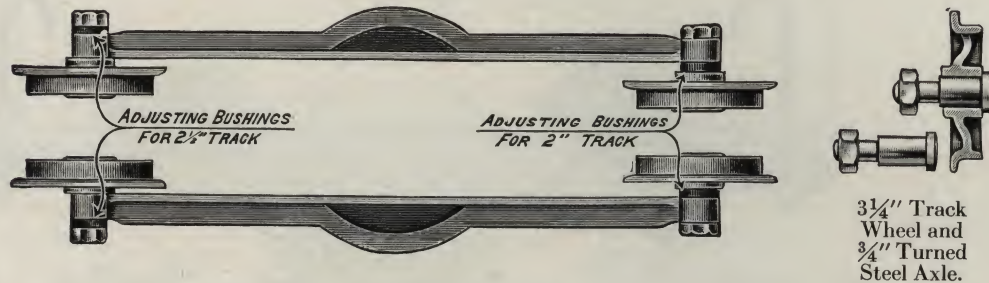




# THE MYERS ADJUSTABLE CLOVER LEAF HAY UNLOADER

*Adjustable to Fit All Standard Makes of Steel Tracks*

Fig. 2655



Has Extra Long Truck

16" Wheel Base

Rope Reversible and Swivel

For Steel Track

Has  $\frac{3}{4}$ " Turned Steel Axles

Track Wheels  $3\frac{1}{4}$ " in Diameter

FIG. 2655 illustrates a Top View of the Myers Clover Leaf adjustable Unloader as adapted for use on any kind of Steel Track which is already installed in the barn. The only thing necessary is to change the location of the Metal Washers marked with arrows, to enable any farmer to enjoy the use of a Myers

Clover Leaf Fork Unloader on his old track. The Unloader is the same for all Steel Tracks. The only difference is in the Knockers, which are made to fit the Myers, Ney, Olson, Louden, Porter, Hunt-Helm & Ferris, W. & B., Strickler, etc. These Knockers carried in stock by the dealer meet all emergencies.

## Knockers for Adjustable Fork Unloaders for the Different Steel Tracks

Price, Each \$ .70



H531 RENAZ  
MYERS Clover Leaf  
Nos. 118 and 126



H532 RENER  
Ney, Olson, Law, Goshen,  
Ricker, Peerless, James



H533 RENIJ  
Louden or Porter



H534 RENOW  
H, H & F  
Harvester or Star



H532A RENSO  
Whitman & Barnes,  
Beatty



H535 RENUK  
Strickler, Janesville,  
Hudson

No. H532B, REREN, Knocker for Adjustable Clover Leaf Unloader to be used on Single Beaded, Single Steel Track (Old Style 2" wide by  $1\frac{1}{4}$ " deep) to be riveted on. See instruction tag on Unloader.





# MYERS ADJUSTABLE CLOVER LEAF UNLOADER

PATENTED

*Adjustable to Fit All Standard Makes of Steel Tracks*

For Double Steel Track

Rope Draft

Fig. 2757

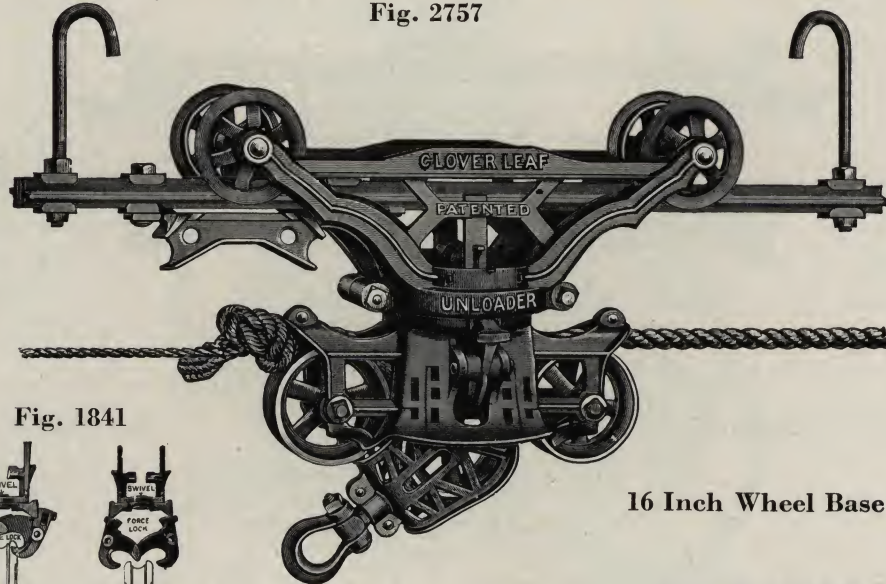
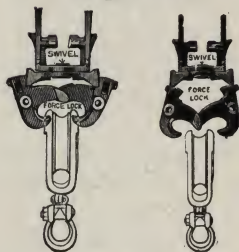


Fig. 1841



Locking Device

16 Inch Wheel Base

Rope Reversible  
and Swivel

Rope Sheaves Have Plain or Roller Bearings

Use  $\frac{3}{4}$ " or  $\frac{13}{16}$ " Rope

Fig. 3157

$\frac{31}{4}$ " Track  
Wheel and  
 $\frac{3}{4}$ " Turned  
Steel Axle.



H531 RENAZ  
Clover Leaf  
Nos. 118 and 126

See Pages 343  
and 347 for  
instructions  
for ordering  
Knockers.



Fig. 1042

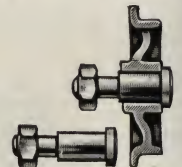


FIG. 2757 represents the new Clover Leaf Unloader made of malleable iron throughout. Has 16 inch truck. It is heavy and substantially built. It is fitted with wide open mouth to receive the fork pulley when approaching in any direction. Also has swinging fork pulley, which relieves the carrier from all strain when drawing hay over a high beam or into a well filled mow. The track wheels revolve on  $\frac{3}{4}$

inch turned steel axles (Fig. 3157). The rope sheaves have longer hub than any other make of carrier.

The lock is composed of three parts and has no springs.

Fig. 1841, the locking device, grasps the fork pulley frame on either side and permits it to swing free, showing fork pulley and the two hooks engaged with pulley frame; also shows pulley after it is released, or as it approaches. A positive Force Lock.

## PRICE LIST, Represented by Fig. 2757

	Price
No. 118, Myers Adjustable Clover Leaf Unloader with Plain Bearings 4" Sheaves, Rope Draft. Will fit all Standard Makes of Steel Track. Weight 30 Lbs. ....	REKUN \$12.00
No. 117, Same as No. 118 with Roller Bearings. ....	REYEG 13.00

REPAIRS: See Pages 352 to 354, No. R40 Repair Catalog





# MYERS ADJUSTABLE CLOVER LEAF UNLOADER

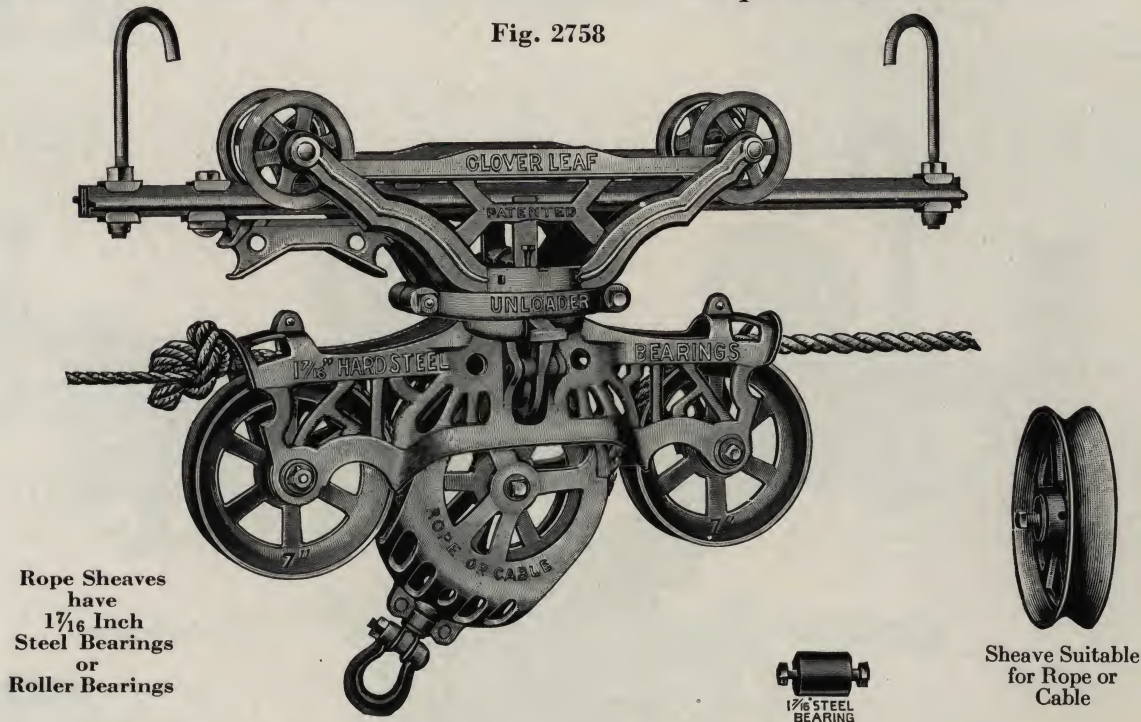
PATENTED

*Adjustable to Fit All Standard Makes of Steel Tracks*

For Double Steel Track

Rope or Cable Draft

Fig. 2758



Rope Sheaves  
have  
 $1\frac{1}{16}$  Inch  
Steel Bearings  
or  
Roller Bearings

Rope Reversible and Swivel

16 Inch Wheel Base

For Use with  $\frac{3}{4}$ " or  $1\frac{3}{16}$ " Rope or  $\frac{3}{8}$ " Cable



$1\frac{1}{16}$  STEEL  
BEARING

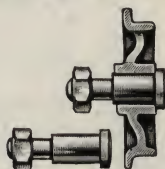
Sheave Suitable  
for Rope or  
Cable



H531 RENAZ  
Clover Leaf  
Nos. 118 and 126

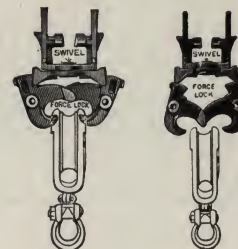
See Pages 343  
and 347 for  
instructions  
for ordering  
Knockers

Fig. 3157



$\frac{3}{4}$ " Track Wheel and  
 $\frac{3}{4}$ " Turned Steel Axle

Fig. 1841



Locking Device

FIG. 2758 represents the Clover Leaf Unloader as built for using rope or cable draft.

The machine is made of the best annealed malleable iron, thoroughly braced, which insures strength sufficient to withstand the most severe usage. The rope sheaves are 7 inches in diameter with  $1\frac{1}{16}$  inch turned steel bearings. This style of bearing will give more service and is easier to operate

than any other style of bearing. The fact that you can use rope or cable for draft is a special feature used only on the Myers line of Unloaders and enables the farmer to use either style he may desire.

The Unloader is made with a large open mouth, swinging fork pulley and double force lock which engages the frame of the fork pulley on both sides, allowing the load to swing clear, avoiding strain.

## PRICE LIST, Represented by Fig. 2758

		Price
No. 126, Myers Adjustable Clover Leaf Unloader with 7" Sheaves and $1\frac{1}{16}$ " Steel Bearings, Rope or Cable Draft.		
Will fit all Standard Makes of Steel Track. Weight 42 Lbs. ....	RELAB	\$15.00
No. 127, Same as No. 126 with Roller Bearings .....	REWBO	16.00

REPAIRS: See Pages 352 to 354. No. R40 Repair Catalog





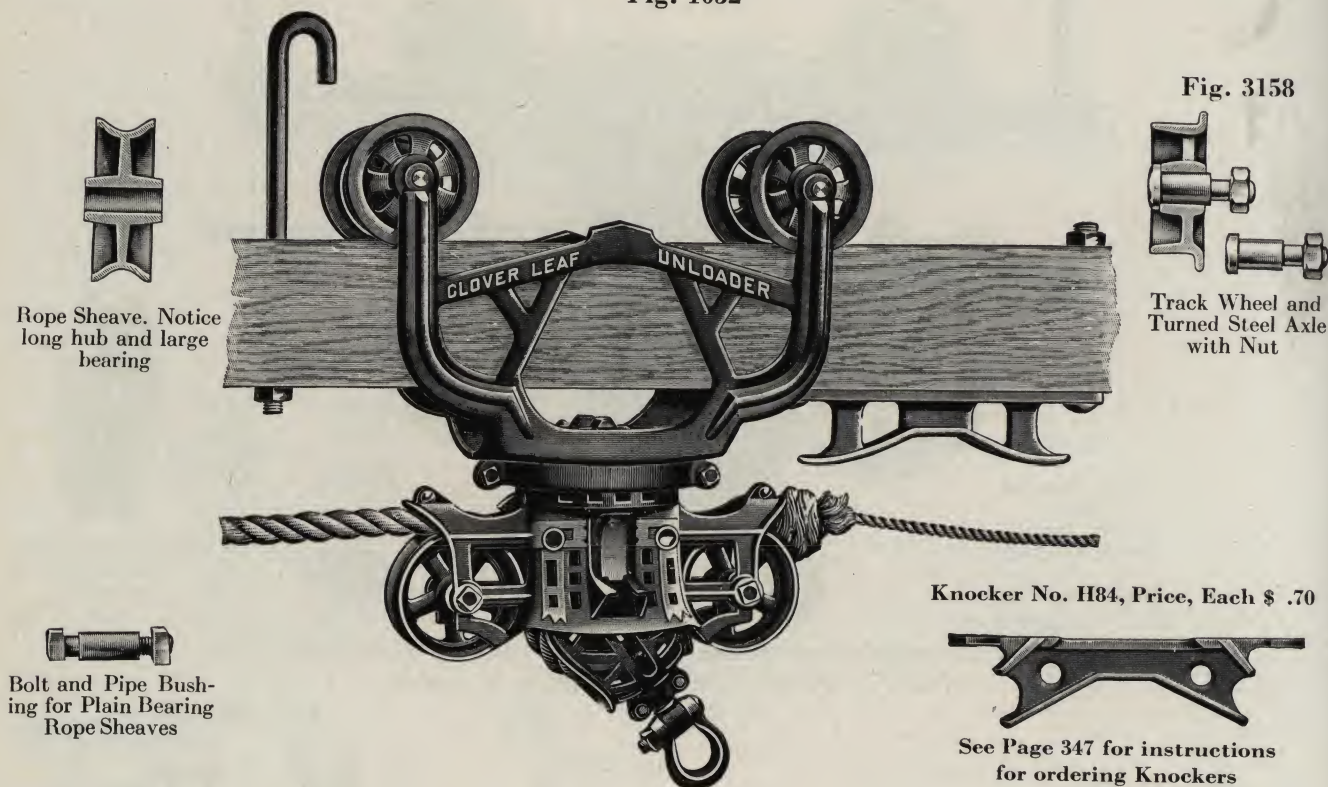
# THE MYERS CLOVER LEAF UNLOADER

PATENTED

*Rope Reversible and Swivel*

**Rope Draft**

Fig. 1032



**Rope Sheaves Have Plain or Roller Bearings**

Use  $\frac{3}{4}$ " or  $1\frac{3}{16}$ " Rope

**Has Swinging Fork Pulley—a Great Advantage in Drawing Hay into a Mow when Filled Near the Roof**

THE above illustration represents the Clover Leaf Unloader as made for wood track. This carrier is fitted with a wide open mouth to receive the fork pulley. The rope sheaves and track wheels are all fitted with large turned bearings. The machine is both swivel and reversible combined in one machine.

By this device the machine can be reversed by reversing the swivel or by drawing the rope through from end to end. It fills all the requirements and enables the dealer to supply all customers with this style of machine.

## PRICE LIST, Represented by Fig. 1032

	Price
No. 120, Myers Clover Leaf Unloader for Wood Track, Plain Bearings, rope draft. Wt. 32 lb. RALIH	\$12.00
No. 122, Same as No. 120 with Roller Bearings..... REYHA	13.00

**REPAIRS:** See Pages 352 to 354, No. R40 Repair Catalog





# MYERS KNOCKERS FOR REPAIRS OR EXTRAS

## For Fork Unloaders



No. H512

For all Myers O. K. Adjustable Unloaders for Myers Double Steel Track.



No. H428

For all Myers O. K. Non-Adjustable Unloaders with 16" (long) Wheelbase. The 200 Series Unloaders, Nos. 200, 209 and 215, for Myers Double Steel Track.



No. H274

For all Myers O. K. Non-Adjustable Unloaders with Short Wheelbase for Double Steel or Wood Track. Also for the original O. K. Reversible and Combination Swivel Reversible for Double Steel or Wood Track. State if wanted for Wood or Steel Track, as they require different Bolts.



No. H531

For all Clover Leaf Adjustable Unloaders for Myers Double Steel Track.



No. H413

For all Clover Leaf Non-Adjustable, Faultless or Fearless Unloaders for Myers Double Steel Track.



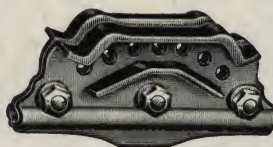
No. H84

For all Clover Leaf, Faultless, Haymaker or Imperial Unloaders for Wood Track.



Nos. H103 and H104

For all Myers Single Rail, Haymaker and Imperial Unloaders for Single Steel Track.



No. H46

For Ashland Carrier with Track Wheels set at an angle for Single Steel Track  $1\frac{5}{8}$ " wide.



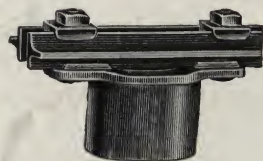
No. H280

For Cable Track Unloaders Nos. 165 and 171.

No. H506

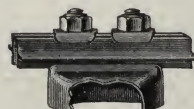
For Sure Lock Sling Unloaders Nos. 36 and 37 for Cable Track.

## For Sling Unloaders



No. H517

For all Sure Lock Adjustable Sling Unloaders for Myers Double Steel Track.



No. H491

For Sure Lock Non-Adjustable Sling Unloaders for Myers Double Steel Track.

No. H502

For Sure Lock Non-Adjustable Sling Unloaders for Wood Track.



No. H130

For Old Sure Grip or Right Angle Sling Unloaders for Myers Double Steel or Wood Track. State if wanted for Wood or Steel Track.

All of the above Knockers are complete with Bolts and Clamps and list at 70c each, except No. H46 lists at \$1.00. Nos. H280, H506 and H130 list at \$1.50 each.

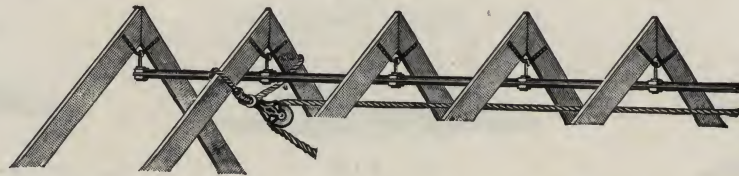
For Knockers for Adjustable Unloaders for other than Myers make of Steel Track, see Pages 323, 338 and 343.





## Illustrating How Track, Rope Stop and Pulley SHOULD Be Placed in the Barn

Fig. 430



**P**LACE pulley to draw the carrier back into the mow directly under and in line with track, as shown in cut. Do not allow steel track hanging hooks to project below clamp under track through which they are screwed, as they will interfere with the carrier.

Fig. 430 shows how steel track should be put up and how rope is tied from one rafter to the other close under the track to make a stop for carrier at end of barn. Also shows how rafter brackets are placed.

**Directions for Erecting Myers Patent Steel Track.**—Scaffold by placing ropes from rafter to rafter, say 6 feet from ridge pole or peak and about 10 feet apart. Then place extension ladder across the ropes with board to stand on. Now nail one rafter bracket at each end of barn and draw a line from one end to the other and stretch tight. Then nail all rafter brackets even with this line. You are now ready to put up the track, which can be done in sections. Hoist near to rafter brackets by ropes. Then place hanging hook over rafter bracket and down through Track, attach lower Clamp and tighten Lock Nut.

### Material Required for a Steel Track Outfit for Different Length Barns

**For A 40 Foot Barn.**—One Hay Unloader. 36 feet Steel Track. 19 Hanging Hooks. 19 Rafter Brackets. 5 Knot Passing Pulleys. 1 Fork or 3 Slings. 6 Floor Hooks. 110 feet  $\frac{3}{4}$  inch Manila Rope. 50 feet  $\frac{3}{8}$  inch Trip Rope. 40 feet  $\frac{3}{8}$  inch Reverse Rope.

**For A 50 Foot Barn.**—One Hay Unloader. 48 feet Steel Track. 25 Hanging Hooks. 25 Rafter Brackets. 5 Knot Passing Pulleys. 1 Fork or 3 Slings. 6 Floor Hooks. 130 feet  $\frac{3}{4}$  inch Manila Rope. 55 feet  $\frac{3}{8}$  inch Trip Rope. 50 feet  $\frac{3}{8}$  inch Reverse Rope.

**For A 60 Foot Barn.**—One Hay Unloader. 54 feet Steel Track. 28 Hanging Hooks. 28 Rafter Brackets. 5 Knot Passing Pulleys. 1 Fork or 3 Slings. 6 Floor Hooks. 160 feet  $\frac{3}{4}$  inch Manila Rope. 60 feet  $\frac{3}{8}$  inch Trip Rope. 60 feet  $\frac{3}{8}$  inch Reverse Rope.

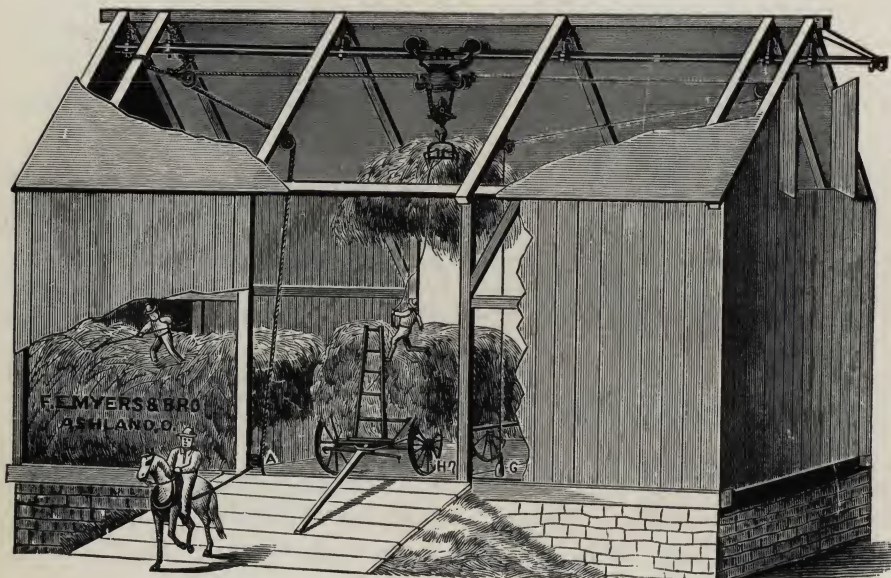
**For A 70 Foot Barn.**—One Hay Unloader. 66 feet of Track. 34 Hanging Hooks.  $3\frac{1}{2}$  lbs. Bracket Nails. 5 Fig. 1120 Pulleys. 1 Fork or 3 Slings. 6 Floor Hooks. 190 feet  $\frac{3}{4}$  inch Draft Rope. 70 feet  $\frac{3}{8}$  inch Trip Rope. 70 feet  $\frac{3}{8}$  inch Reverse Rope.

**For An 80 Foot Barn.**—One Hay Unloader, 78 feet of Track. 40 Hanging Hooks. 40 Rafter Brackets. 4 lbs. Bracket Nails. 5 Fig. 1120 Pulleys. 1 Fork or 3 Slings. 6 Floor Hooks. 210 feet  $\frac{3}{4}$  inch Draft Rope. 80 feet  $\frac{3}{8}$  inch Trip Rope. 80 feet  $\frac{3}{8}$  inch Reverse Rope.

Different lengths of barns will use track, hanging hooks and rope in same ratio as above.

If required to take hay in at end of barn and have rope pass down at far end to horse, same amount of draft rope. If draft rope be returned to same end of barn and then down, this requires about one fourth more draft rope.

Fig. 556



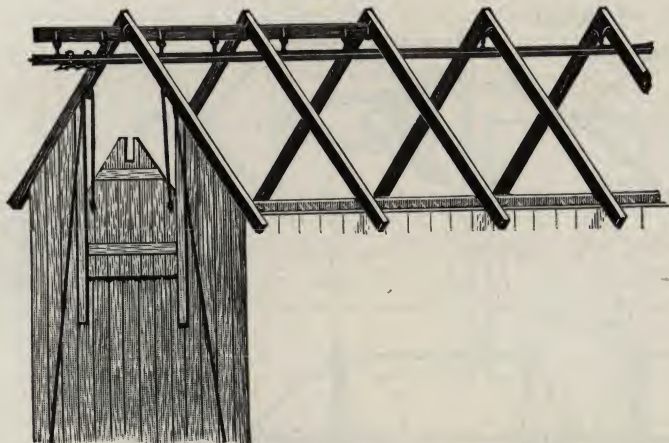
**How To Reverse Carrier.**—Set fork in hay. Tie ends of Draft rope and Reverse rope together, (to which horse and weight are attached). Pull on small rope until knot comes to the floor, then untie ropes. Fasten weight G on small rope, change pulley A to floor hook H. This reverses carrier for opposite direction without leaving the floor or climbing up. Use all knot passing pulleys. For taking in hay at end of barn use V shaped brace for track support, as shown in cut.





## Illustrating Manner in Which Ridge Pole Should Be Placed to Extend Track Beyond the End of the Barn

Fig. 906



Size of Ridge Pole, 4 x 6 inches x 10 feet.

Fig. 1844



Fig. 2630



Fig. 1845



Fig. 1846



Brackets Are Listed on Page 364

FIG. 906 illustrates manner of placing ridge pole at the end of barn to support track when hay is taken in from the outside. By using heavy brackets, Fig. 1846, the ridge pole is supported to the rafters. The track is then attached to the ridge pole by

means of brackets, Fig. 1845. Figs. 1844 and 2630 are used in more modern barns constructed with a 2 x 6 or 2 x 10 ridge pole. They replace the regular rafter brackets, Fig. 301.

## Showing How Hay is Taken in at End of Hay Barn and How to Hang Track

Fig. 1197

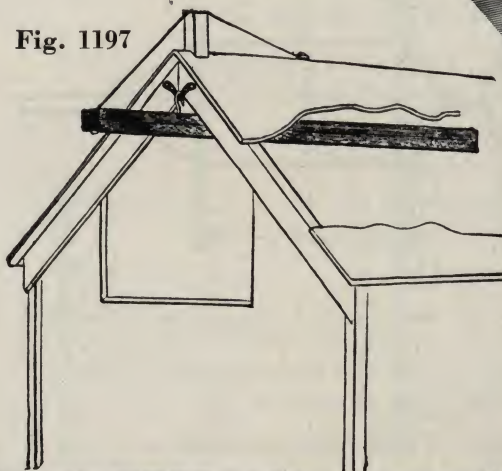


Fig. 263

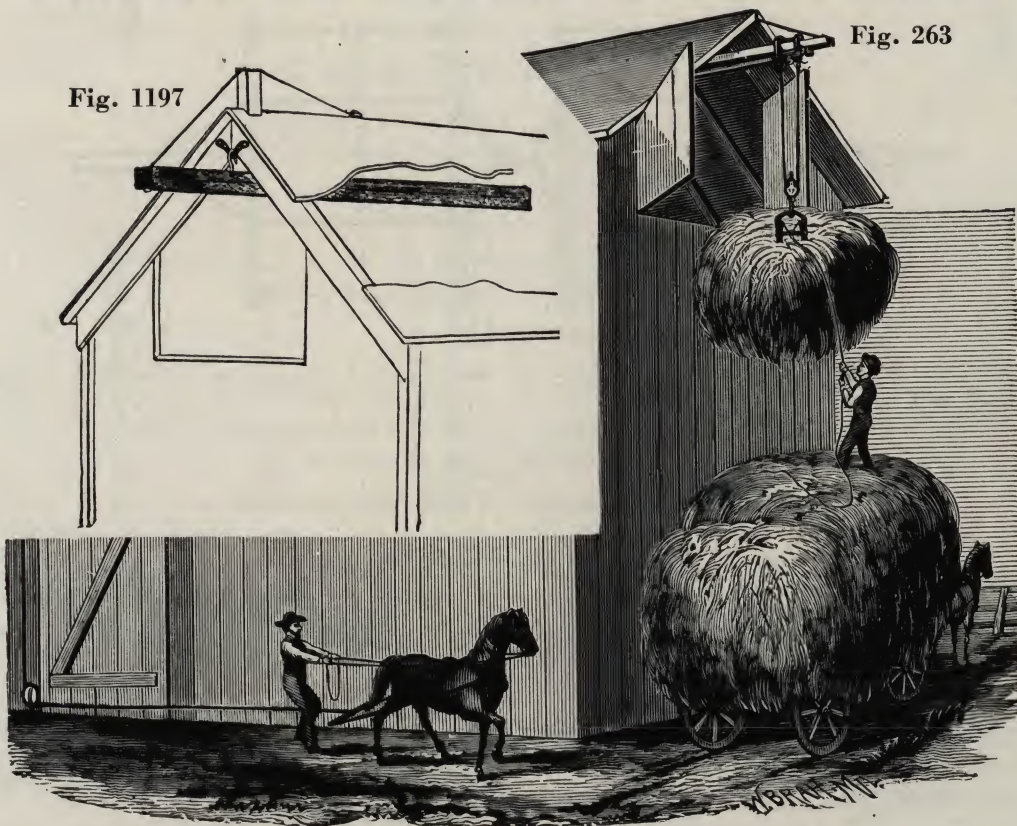


FIG. 263 illustrates how a hay carrier can be operated in a barn, taking in the hay at the gable end, by allowing the track to extend out of the barn 3 feet. Track must be properly supported.





## MYERS CENTER TRIP ADJUSTABLE SLINGS

All cross bars are made of best seasoned Hard Wood to which Special Lay  $\frac{1}{2}$  inch Ropes are attached by heavy hook bolts (V).

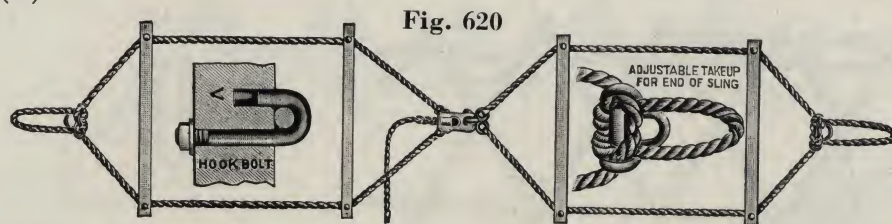


Fig. 620

Fig. 620 represents the Myers Center Trip Adjustable Sling, with 4 foot cross bars.  
**Price, RALWE \$4.75 each. Weight 22 Lbs.**

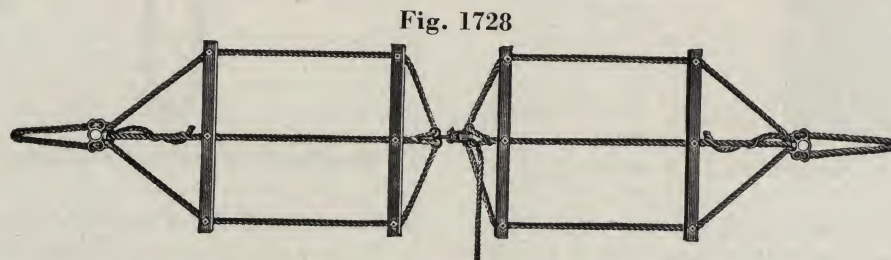


Fig. 1728

Fig. 1728 represents the Myers Center Trip Adjustable Three Rope Sling with 5 foot cross bars and full length center rope.  
**Price, RALYA \$6.00 each. Weight 26 Lbs.**

### Utah Center Trip Adjustable Sling

Fig. 621

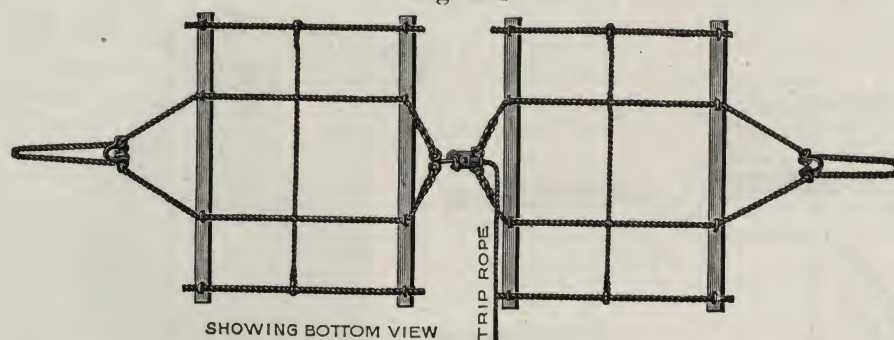


Fig. 621 represents our Utah Center Trip Adjustable Sling with 6 foot cross bars, which extend 18 inches beyond the main ropes on either side, to which

**Price, RAMAW \$7.50 each. Weight 30 Lbs.**

we attach an additional rope with a cross rope also attached to each of the main ropes. Recommended for short hay or bundled grain.

### The Myers Center Trip Sling Lock

Fig. 3008

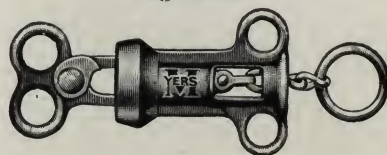
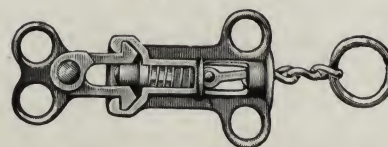


Fig. 3009



The trip or lock on a hay sling is its most vital point and the only part that is likely to give trouble. The lock is made of malleable iron in one size only—has

**Price, REYUZ \$1.00 each. Weight 1 $\frac{1}{4}$  Lbs.**

but three pieces—is light, strong and durable, well made and guaranteed.

Figs. 3008 and 3009 illustrate the lock both plain and sectional view.

**REPAIRS:** See Page 348, No. R40 Repair Catalog





# MYERS DOUBLE LOCK ADJUSTABLE SLINGS

The Double Lock Makes a Better Sling

Fig. 1308

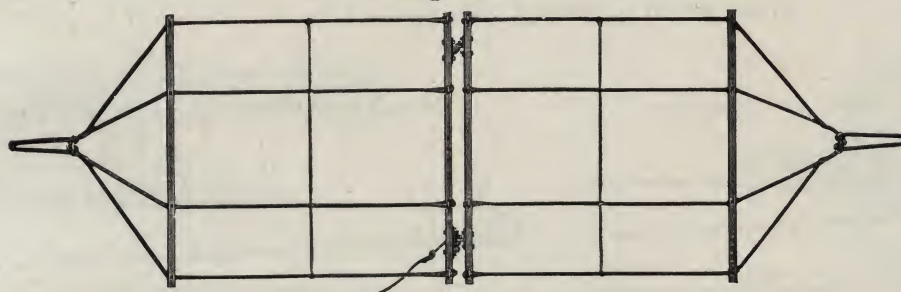


Fig. 1308, Rope Sling, 6 foot Cross Bars with Cross Ropes  
Price, RAMHI \$8.50 each. Weight 32 Lbs.

Fig. 1589

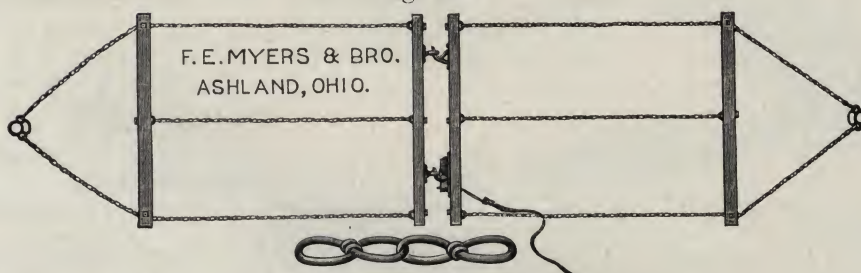


Fig. 1589, Galvanized Chain Sling, 5 foot Cross Bars  
Price, RAMUH \$8.00 each. Weight 29 Lbs.

Fig. 1590

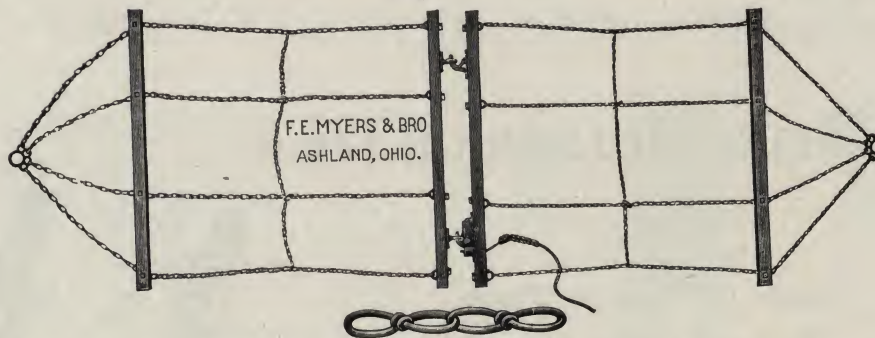
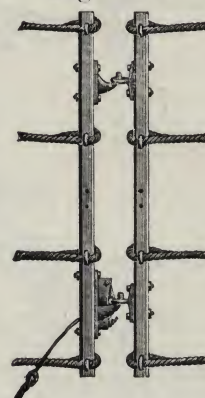


Fig. 1590, Galvanized Chain Sling, 6 foot Cross Bars with Cross Chains  
Price, RANAV \$9.00 each. Weight 40 Lbs.

Fig. 1311



Double Lock as used  
on these Slings  
Price, RAMOT \$2.00  
Wt. 2 Lbs.

The Myers Double Lock Hay Sling has two connections between the two halves of the sling instead of the one center lock as generally used. The construction of this double lock device is such that a hook and eye are used at the one end of the sling stick and

a lock at the other end, thus making two separate connections, adding great strength, and causing the load to be carried without drooping at either side. The sling is connected and locked with one motion.

Chains attached to Cross Bars with Hook Bolts.

REPAIRS: See Page 348, No. R40 Repair Catalog



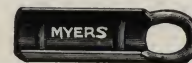


# THE MYERS HANDY ROPE SLINGS



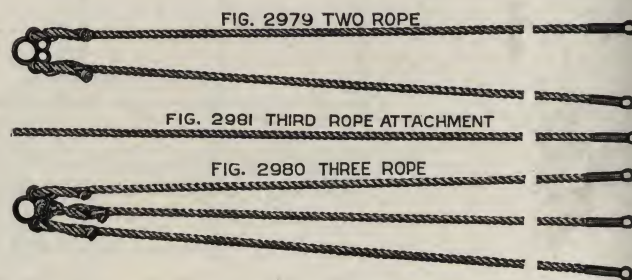
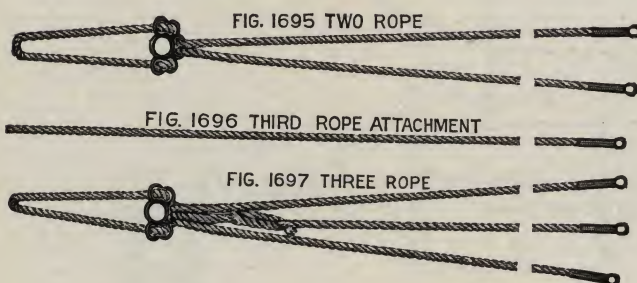
Malleable Eye Rope Clamp  
Used on Handy Slings

PURE MANILA ROPE ½ inch Special Lay



Adjustable Up to 20' 6" in Length.

Non-Adjustable 19½ Feet in Length.



## PRICE LIST

	Code	Price
No. 3, Handy Two Rope Sling, Wt. 3 Lbs. ....	REPIH	\$1.30
No. 6, Third Rope Attachment, Wt. 1 Lb. ....	REPRO	.55
No. 7, Handy Two Chain Sling, Wt. 6 Lbs. ....	RANUG	1.85
No. 4, Handy Three Rope Sling, Wt. 4 Lbs. ....	REPYA	1.80
No. 8, Handy Three Chain Sling, Wt. 11 Lbs. ....	RAPAT	2.70

Order by Number

## PRICE LIST

	Code	Price
No. 13, Handy Two Rope Sling. Fig. 2979. Wt. 3 Lbs. ....	RETSI	\$1.20
No. 14, Handy Three Rope Sling, Fig. 2980. Wt. 4 Lbs. ....	RETWA	1.70
No. 16, Third Rope Only for Handy Sling, Fig. 2981. Wt. 1 Lb. ....	RETZU	.50

Order by Number

## HANDY SLING HOLDER OR LOCK

Fig. 1699



CLOSED

Made for Two or Three  
Rope or Chain Slings

Fig. 1700



OPEN

Fig. 1501



Attached direct to the hook on Self-Locking Sling Pulley, see Fig. 1501, or to the Hook on Parallel Sling Pulley, Fig. 2669. Pulling on trip rope drops one end of sling, releasing the load.

## PRICE LIST

Fig. 1699, Handy Sling Holder or Lock, Price ..	RAPEL	\$1.25
---	-------	--------

REPAIRS: See Page 348, No. R40 Repair Catalog





# THE MYERS UNIVERSAL REVERSIBLE SLING PULLEY

Can Be Used with Any Make of Hay Carrier with 4" Sheaves without a Change of Fork Pulley or Using a Registering Head

Can Be Used Either Side Up and Cannot Be Misplaced in Attaching

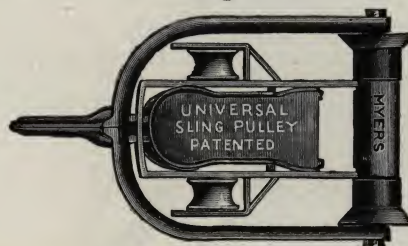
Fig. 1055

PATENTED



Side or Edge View

Fig. 1052



Top View

**FIGS. 1052 and 1055** represent the Myers Universal Reversible Sling Pulley. This pulley can be used with any hay carrier except those with 7" sheave. It cannot be misplaced on the load, can be used either side up, and with any style of fork pulley. It will be noted from illustration, Fig. 1056, that the fork pulley is passed down through the sling pulley and attached to the end of the sling, the sling pulley being attached to the opposite end of the sling.

When the bundle is compressed, the fork pulley passes up against the sling pulley, trips it and dislodges the center section of the pulley and permits the fork pulley to pass through, the bundle being tightly compressed.

Used With Any Unloader  
Except Those With  
7 Inch Sheave

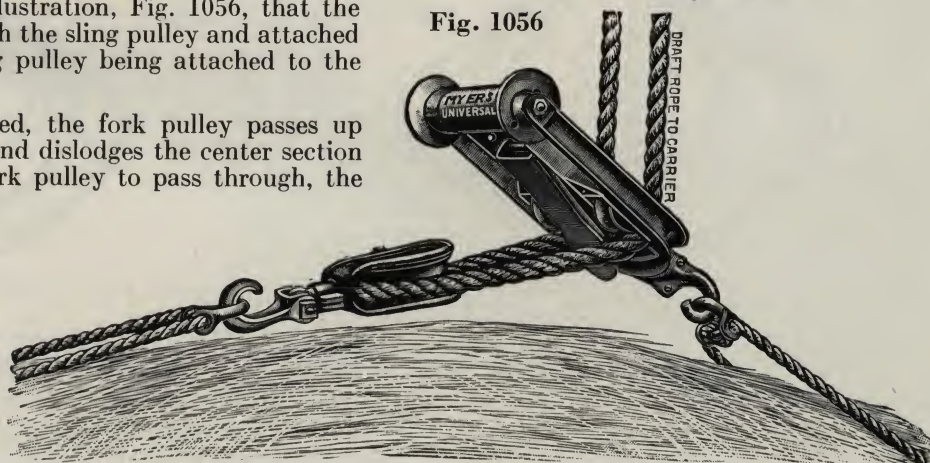


Fig. 1052, Myers Universal Sling Pulley. Wt. 14 Lbs.....Price REMES \$7.00

## SELF-LOCKING SLING PULLEYS

Fig. 2187

### WE RECOMMEND BUYING SLING UNLOADERS

Registering Heads, Furnished to Suit Different Carriers

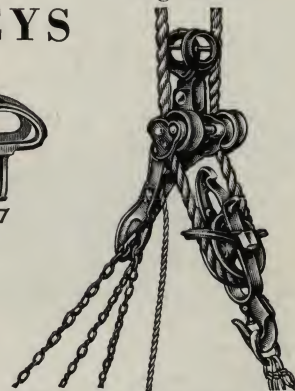
RH 1 Louden	RH 6 Porter	RH 7 Milwaukee Reversible
RH 8 Milwaukee Swivel	RH 10 Ney and Superior	RH 14 Myers O. K.
RH 17 Ideal and Jumbo	RH 18 Janesville Dead Lock	RH 19 Hay Maker or Imperial
RH 20 Porter's Swivel	RH 22 Diamond	RH 23 New Diamond
RH 29 Porter Meadow King	H 497 Myers Unloaders With 7" Sheave	



Fig. 806



H497

RH 24  
Boyd  
ReversibleRH 25 and H 276  
Myers Unloaders with  
Small Fork PulleyRH 28  
Louden  
Senior

Extra Registering Heads. Price, Each REMBY \$ .70

Fig. 806, Self-Locking Sling Pulley for any Carrier with 4" Rope Sheaves. Wt. 12 Lbs. (Reg. Head Included).....RELOY \$7.00  
Fig. 2187, Same as Fig. 806, except has Handy Sling Lock built in. Wt. 12½ Lbs. (Reg. Head Included).....RELTO 7.50  
Fig. 806½, Mammoth S. L. Sling Pulley for Carriers with 7" Rope Sheaves. (Reg. Head Included).....RELUM 9.50

REPAIRS: See Pages 348 and 361, No. R40 Repair Catalog





# MYERS PERFECTION AUTOMATIC GRAPPLE FORK

PATENTED

*Rebuilt and Strength Increased 20 Percent*

*Now Has New Lock and 26" Tines. Enters the Hay to a Greater Depth*

Made of High Carbon, Heat Treated and Oil Tempered  
Heavy Spring Steel

Closes and Locks Itself Before Returning to the Load

**BUY A MYERS GRAPPLE FORK AND SAVE MONEY**

Fig. 3004

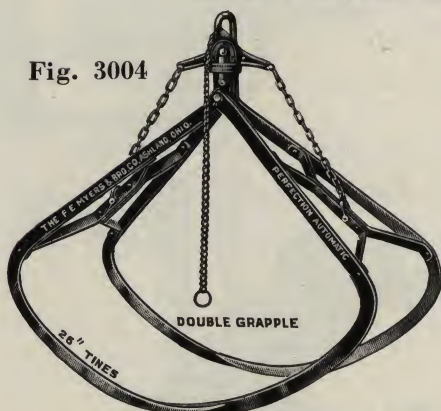
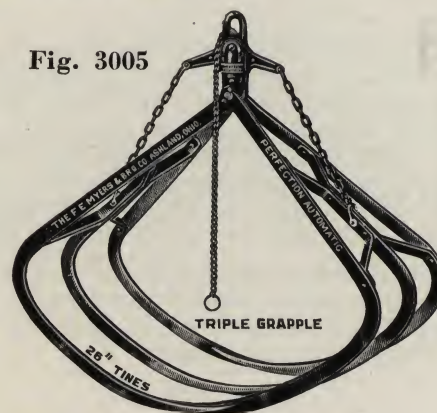
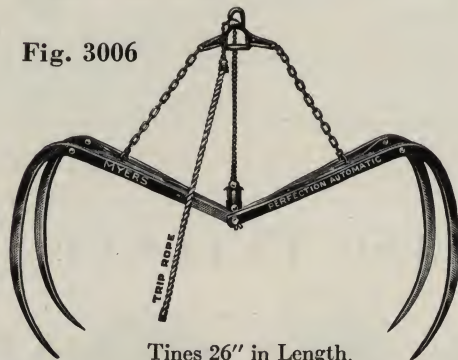


Fig. 3005



As it returns to the wagon closed and locked.

Fig. 3006



Tines 26" in Length.

THESE forks are unlike any others inasmuch as they are not only balanced at all points, but in addition the natural pull on the trip rope closes the fork and locks it securely, thus returning it to the load all ready to enter the hay without any attention whatever from the operator as to setting the lock, etc. It is double braced throughout, making it very rigid and strong.

Fig. 2954



Represents hay as dropped in the mow from a Myers Grapple Fork; lies in the same position as on the wagon. *No loose ends tucked under* (easy to handle). Saves one man in the mow. Why buy a Hay Fork on price when you have to pay the difference in price for extra labor the first year you use it?

Represents hay as dropped by any other kind of Fork than a Grapple. The ends of the hay are tucked under the main load, which requires at least **one extra man** in the mow each day of haying, as long as you use it.

## PRICE LIST, Represented by Figs. 3004 and 3005

	Price
No. 3 Fig. 3004, Myers Perfection Double Grapple Fork, 4 Tine. Opens 62 inches. Wt. 44 Lbs... RESUF	\$11.50
No. 4 Fig. 3005, Myers Perfection Triple Grapple Fork, 6 Tine. Opens 62 inches. Wt. 52 Lbs... RETAT	13.00

REPAIRS: See Pages 357 to 359, No. R40 Repair Catalog





# MYERS ADJUSTABLE COMPRESSION GRAPPLE FORK

PATENTED

The Only Fork on Which the Tines Spread *Direct* From The Lock—Complete Compression

Short Chains—Will Not Tangle

*With Four Adjustable Oil-Tempered and Hardened Spring Steel Tines*

Handles Any Kind of Hay, Grain, Straw, Beans or Cornfodder.

Forget the First Cost as compared to an ordinary Harpoon Fork

Fig. 3125

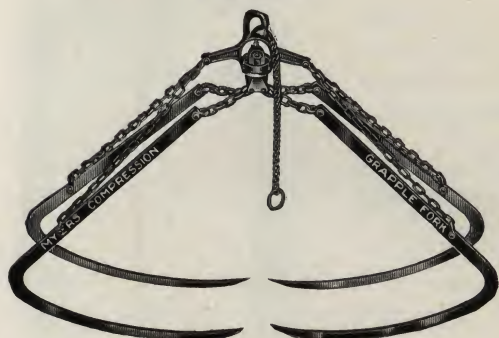


Fig. 3126



As it returns to the Wagon.

Fig. 3128

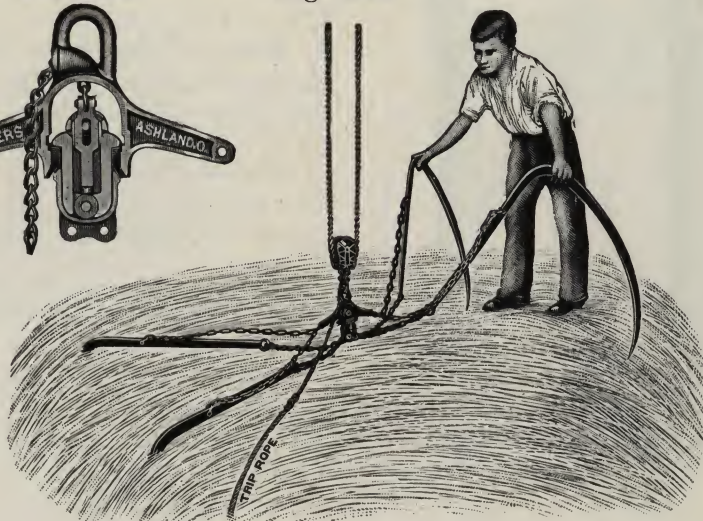


Packed for Shipment

Fig. 3127



Fig. 2976



A Boy Can Handle It

THE Myers Adjustable Compression Grapple Fork is built for the Modern Farmer who desires to transfer his crops from the wagon to the mow or stack in the least possible time and in such condition as to save the expense of from one to two extra men in the mow, as the hay is dropped flat, (see Fig. 3006, on opposite page,) no ends tucked under, *easy to spread in the mow*, which pays for the Fork in three days use as compared with an ordinary Harpoon Fork.

EASY TO HANDLE AND SET, as it returns to the load *closed and locked*. Grasp two of the tines, one in each hand, and force them into the hay as far apart as desired. Set the others in the same manner. When the load is lifted each Tine draws toward the center—*compresses the load* and permits handling short or loose material.

The tines are 26" or 32" in length, and enter the hay to a *greater depth*, as the *depth* that the tines enter the hay is what enables the Fork to raise a larger load than other Forks. The extra spread of a Grapple Fork has no effect on the size of the load it will handle. The tines should be laid nearly flat and pointing outward to clean up loose hay in finishing—no time lost in cleaning up.

This Fork is recommended in preference to Slings—less bother and lower cost.

## PRICE LIST, Represented by Fig. 3125

No. 1A, Myers Standard Compression Grapple Fork, (26" Tines) opens 77". Wt. 40 lbs.....	REZAN	Price \$12.50
No. 2A, Myers Master Compression Grapple Fork, (32" Tines) opens 93". Wt. 47 lbs.....	REZEF	14.00

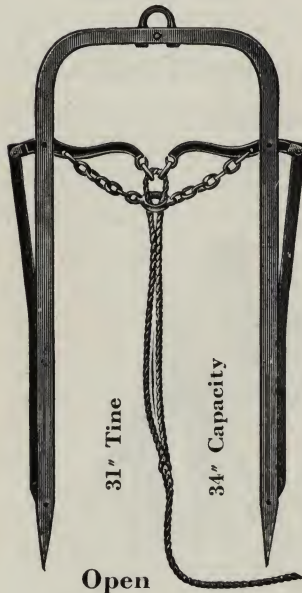
REPAIRS: See Pages 357 to 359, No. R40 Repair Catalog





# HAY FORKS

Fig. 1314, RAPID  
Price, \$3.50 Each  
(Wt. 21 Lbs.)



## The Myers Double Harpoon Hay Fork

### Heavy Spring Steel Frame

The Best Harpoon Fork Extra Large Capacity

No Cross Bar

Easy To Trip

FIGS. 1314 and 1315 represent a new Double Harpoon Hay Fork, built of Open Hearth Spring Steel,  $\frac{1}{4} \times 1\frac{1}{4}$  inch, making the strongest and stiffest double harpoon fork on the market.

The *flexible chain* instead of a *fixed cross bar* permits the fork to enter the hay to greater depth—larger capacity with same length tine.

The levers are held in position by means of a spring; hence, they never get loose or drop open in loading.

Fig. 1315, RAPID  
Price, \$3.50 Each  
(Wt. 21 Lbs.)



A special feature of this fork is the manner in which the trip rope is attached to the levers, which permits the fork to be tripped from any direction, whether it be sidewise, edgewise or at any angle.

## Harris Double Harpoon Forks

Cuts Show Relative Size

Fig. 268, RAPPO  
Price, \$3.00 Each  
(Wt. 16 Lbs.)

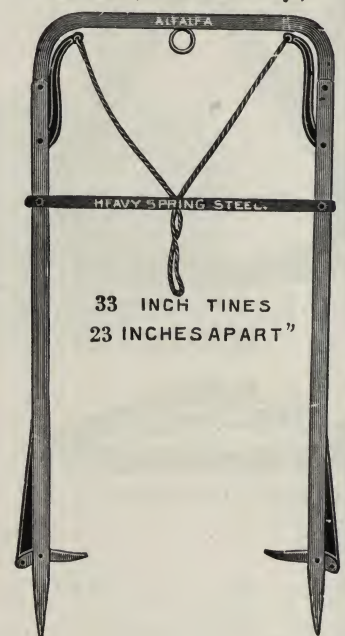
Regular  
Double Harpoon



Fig. 451, RAREJ  
Price, \$3.25 Each  
(Wt. 18 Lbs.)  
Extra Length



Fig. 450, RARIB  
Price, \$6.00 Each  
(Wt. 30 Lbs.)  
Alfalfa (Extra Heavy)



REPAIRS: See Page 358, No. R40 Repair Catalog





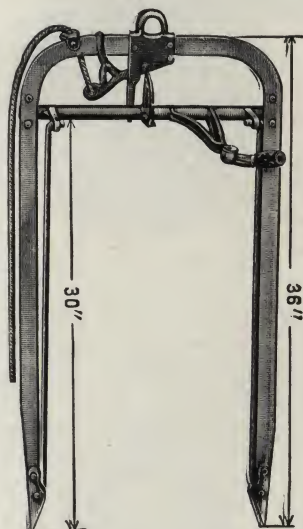
# HAY FORKS

## Myers Lock Lever Fork

OUR latest and best production in this line is the Myers Lock Lever Harpoon Fork. This fork is made of spring steel, sets with *one lever and locks either open or closed*. While it is not larger than the regular double harpoon (except in width), it has

50 per cent more capacity, owing to the cross bar being placed nearer the top while it gathers the grain or hay from the *end of point* and not two inches from the bottom as all old style forks do.

Fig. 670  
Open



The Trip Rope being placed at top of fork assists greatly in withdrawing fork from the mow, as the tines trail and do not catch on beams.

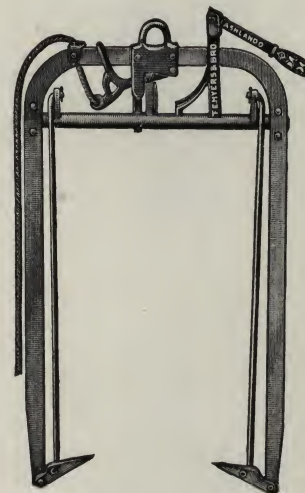
19 Inches Wide

### PRICE LIST,

Myers Lock Lever Fork. Weight, 24 lbs.

Price, Each RARTE \$7.00

Fig. 671  
Set



## Nellis Forks

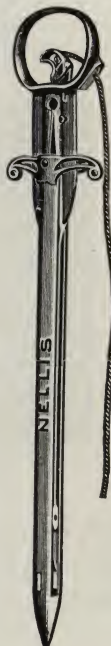
Price, Each RARUC \$5.50

Fig. 773  
Set



(Wt. 11 Lbs.)

Fig. 774  
Closed



# MYERS HAY UNLOADING TOOLS

## Unloaders, Forks, Slings, Pulleys, Tracks and Fixtures

LONG recognized as standard implements for the unloading of hay, grain or fodder from the wagon into the mow or onto the stack, Myers Unloaders have kept pace with modern unloading requirements through their being designed and built to handle with ease the largely increased loads now so common during harvest time.

This is not only true of MYERS UNLOADERS with their extra long trucks and other special features which provide speed, ease of operation, large capacity and uniform service, but equally so of MYERS FORKS, SLINGS, PULLEYS, TRACKS and FIXTURES. Here again Myers Quality is apparent, for only the very best material goes into their construction—malleable frames, wood and iron sheaves, steel tines, bolts, rivets, chains, ropes and other parts are full size and full weight, and can be depended upon to stand up under present day harvest loads without frequent breakage or delays.

Dealers who stock a full line of MYERS HAY TOOLS reap double profits—quick sales with ample returns and satisfied customers.

REPAIRS: See Page 358, No. R40 Repair Catalog

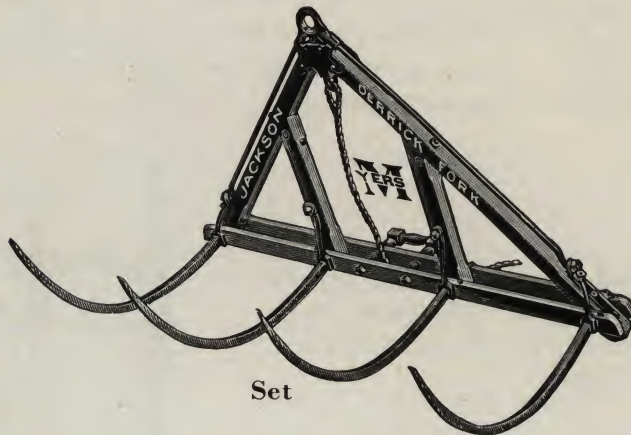




# JACKSON PATTERN DERRICK FORK

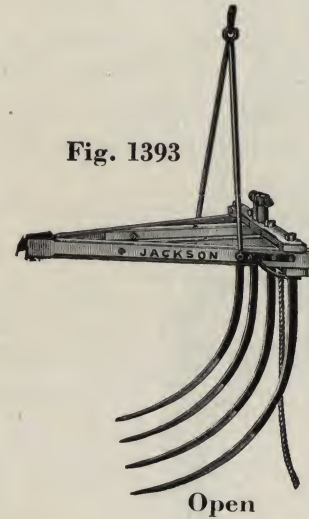
Made in Six Sizes

Fig. 2128



Set

Fig. 1393



Open

## PRICE LIST, Represented by Fig. 2128

		Price
3½ foot head. 4 Tines. Wt. 50 Lbs.	RATAP	\$20.00
4 foot head. 4 Tines. Wt. 53 Lbs.	RATEH	20.50
4½ foot head. 4 Tines. Wt. 63 Lbs.	RATIZ	21.00
5 foot head. 6 Tines. Wt. 74 Lbs.	RATNO	25.00
5½ foot head. 6 Tines. Wt. 76 Lbs.	RATOM	25.50
6 foot head. 6 Tines. Wt. 78 Lbs.	RATVY	26.00

THE Jackson Pattern Fork is made in six sizes. The 4½ ft. and smaller have **four tines** each, and are designed for handling hay.

The 5 ft. fork and larger have **six tines** and are designed for handling heading or straw. The weight ranges according to size.

The tines are made of spring steel, and the material throughout is of the very best. The woodwork is neatly made, all riveted and bolted together so as to get the greatest possible strength. Fig. 1393 illustrates the fork after the load has been discharged.

Fig. 2520

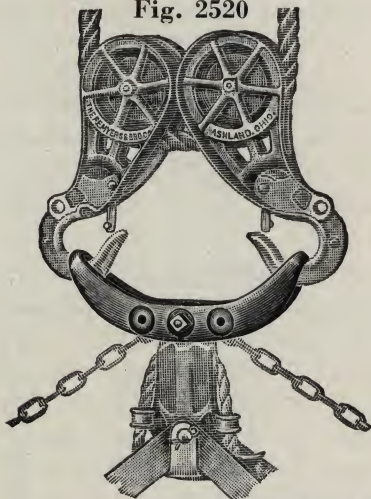
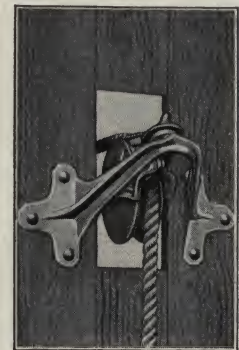


Fig. 1851



## Special Goods

## PRICE LIST, Represented by Figs. 2520 and 1851

Fig. 2520, Parallel Bar or Clevis to attach any fork to sling car using regular Sling Pulleys.	RAVAN	Price
Fig. 1851, Outside End Pulley Bracket to carry ordinary pulley used in passing rope down at end of barn. Pulley Not Included	RAVEF	\$1.00
		1.55

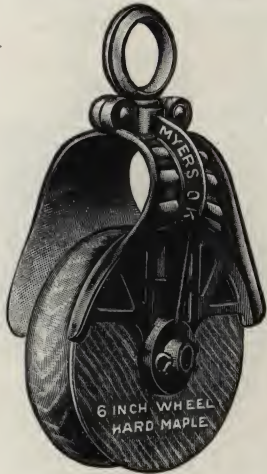
REPAIRS: See Page 359, No. R40 Repair Catalog





## PULLEYS

Fig. 1120 RAVOK



Price \$ .90 Each 5 lbs.

Fig. 2644 REMIK



Price \$1.00 Each 3 1/4 lbs.

Fig. 796 RAVTA



Price \$ .85 Each 4 lbs.

### All Pulleys Finished in Battle Ship Gray

#### The Myers O. K. Knot Passing Pulley

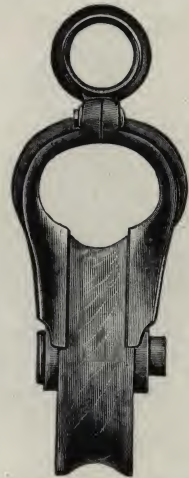
With 1 Inch Loose Pin, 6 Inch Wood Sheave and Swivel Eye

FIGS. 1120 and 1121 represent our Myers O. K. Knot Passing Pulley as made with a special heavy ribbed frame which follows the rim of the pulley down to a point opposite the axle. The frame is flanged out from the edge of the pulley so as to form an easy approach for the rope.

The frame is made in two separate halves riveted together. The axle is 1 inch in diameter. The sheave is 6 inch hard maple dipped in hot oil.

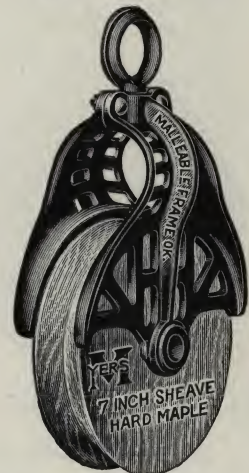
Fig. 1121 represents the same pulley, showing an edge view.

Fig. 1121 RAVOK



Price \$ .90 Each

Fig. 2685 REPEP



Price \$1.50 Each 4 1/2 lbs.

Fig. 1124 RAZEB



Price \$1.25 Each 4 lbs.  
Roller B. 1.50 Ea. 4 lbs.

#### Malleable Frame O. K. Knot Passing Pulley

With 6 or 7 inch Sheave, 1 Inch Loose Pin and Swivel Eye

FIGS. 2644 and 2685 illustrate our new pattern Malleable Frame O. K. Knot Passing Pulley. The sheave is hard maple, 6 or 7 inches in diameter, 1 inch axle. The frame is the best annealed malleable iron, will pass a large knot or splice. Sheave is dipped in hot oil.

Fig. 2647 Same as Fig. 2644 with 6" Iron Sheave (Not Illustrated). Price, Each . . . . . REMUL \$1.10

#### Cast Frame Knot Passing Pulley

FIG. 796 represents our Cast Frame Knot Passing Pulley with 6 inch hard maple sheave dipped in hot oil. Will pass a large splice or knot.

Fig. 820 Same as Fig. 796 with Iron Sheave.  
Price, Each (5 lbs.) . . . . . RAVWU \$ .95

#### Special Pulley

FIG. 1124 represents our new Special Pulley with Malleable Iron Frame extending around the entire surface of the sheave. Has malleable iron clevis and steel bolt. This pulley is especially designed for rough usage. 4 inch Iron Sheave.





# PULLEYS

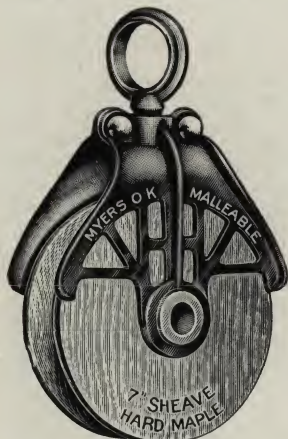
*All Pulleys Finished in Battle Ship Gray*

Fig. 1133 RAWHY



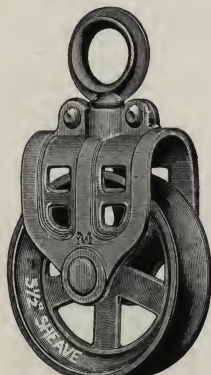
Price \$ .80 Each 3½ lbs.

Fig. 3160 REZUY



Price \$1.25 Each 4¼ lbs.

Fig. 692 RAWOJ



Price \$ .70 Each 3½ lbs.

## The Myers O. K. Plain Pulleys

FIGS. 1133, 3159 and 3160 illustrate the Myers O.K. Plain Pulleys as made with 6 and 7" Sheaves. The Frame has Heavy Ribs and follows the Rim of the Sheave to a Point nearly Opposite the Axle, preventing the wearing of the Rope in drawing over the Edge of the Frame. This Style Frame for a Pulley was *originated by Myers*. Has a Swivel Eye and 1" Diameter Axle. The Wood Sheaves are made of Hard Maple dipped in Hot Oil.

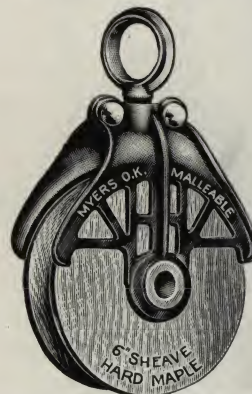
Fig. 1133, With 6" Iron Sheave,  
4½ lbs. (Not Illustrated) RAWIW \$ .90

Fig. 3159, With 6" Iron Sheave,  
4 lbs. (Not Illustrated) RIBAP 1.00

Iron Sheave Pulleys not Illustrated.

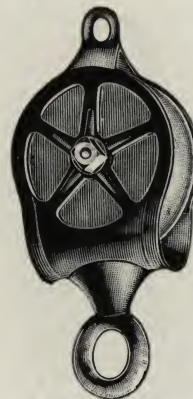
## Price

Fig. 3159 REZOK



Price \$ .90 Each 3 lbs.

Fig. 486 RAZIT



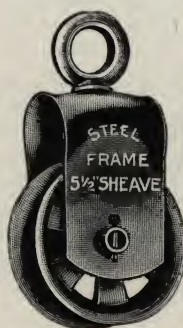
Price \$ .90 Each 3 lbs.

## Floor or Becket Pulley

With Large Loose Pin

FIG. 486 illustrates the Myers Floor Pulley with Swivel Eye. Has an Eye or Becket at the Top by which it can be fastened up to the Post, thus preventing it from becoming unfastened from the Floor Hook or the tangling of the Rope. Has 4½" Wood Sheave.

Fig. 565 RAYAK



Price \$ .65 Each 3 lbs.

Fig. 1817 RECLO



Price \$ .60 Each 1¾ lbs.

Fig. 692. A Common or Cast Iron Pulley. The Sheave is 5½" with Solid Axle.

Fig. 565 Steel Frame Pulley with Malleable Swivel Eye. The Sheave is Cast Iron 5½" in Diameter with Large Steel Axle.

Fig. 1817, a light Wood Frame Pulley with Steel Hasp, Malleable Swivel Eye and 3 inch Wood Sheave. Generally used as a Trip Rope Pulley.





## WOOD FRAME PULLEYS WITH STEEL HASP

Fig. 466 RAYLO



Price \$ .90 Each 3 lbs.

### Reed Pattern

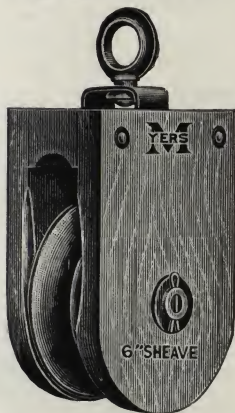
ALL Wood Frame Pulleys shown on this page are of the same construction as shown in the illustration at the right of Fig. 466, the only difference being in the strength of the Steel Hasp, Eye, Wood Frame and Diameter of the Wood Sheave and system of bolting together of the 8" and 10" Pulleys, in which we use two cross bolts as shown to prevent checking or splitting of the wide frame. The entire load is carried on the Steel Hasp and Eye, no strain whatever on the Wood Frame.

Fig. 434 RAYOH



Price \$ .90 Each 3 lbs.

Fig. 2258 RAYUV



Price \$1.50 Each 5 lbs.

Fig. 2964 RESEM



Price \$3.00 Each 10 lbs.

Fig. 2965 RESKA



Price \$3.50 Each 12 1/2 lbs.

Figs. 2964 and 2965, 8 and 10 inch Pulleys, are built for Hard Service.

## MALLEABLE FRAME WOOD SHEAVE PULLEYS

Fig. 2966 RESLY

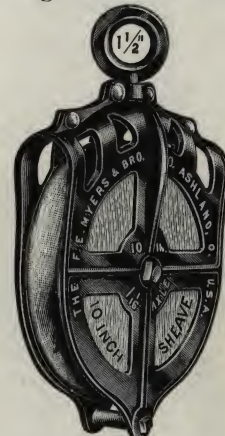
Price \$2.50 Each  
8 3/4 lbs.

### For Extra Hard Service and Abuse

#### 8 and 10 inch Sheaves

FIGS. 2966 and 2967 represent an improved line of large diameter 8 and 10" Wood Sheave Pulleys, on which the frame is made of the best annealed Malleable Iron instead of wood, eliminating all chance of checks or splitting as compared with a Wood Frame Pulley. The wood sheave is fully protected by the Malleable Iron Frame. An ideal Pulley for logging and other heavy work. Fitted with 1 1/16" Steel axle and a BECKET for holding the Pulley in an upright position when desired. Has 1 1/2" Malleable swivel eye. Recommended as a strong and rugged Pulley for any hard service.

Fig. 2967 RESOR

Price \$3.25 Each  
14 1/4 lbs.

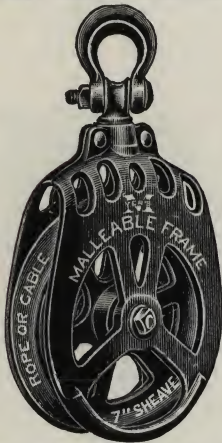




# PULLEYS

*Extra Heavy and Especially Adapted for Hard Service*

Fig. 2259 REBED

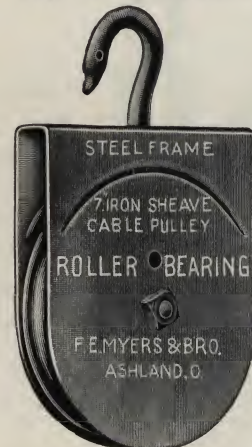


Price \$2.00 Each 7 lbs.

Fig. 2259, Malleable Frame, 7" Rope or Cable Sheave, with 1  $\frac{7}{16}$ " Plain Steel Bearing.

Fig. 1651, Steel Frame, 7" Cable Sheave, with Roller Bearings.

Fig. 1651 RAZOG



Price \$1.50 Each 7  $\frac{1}{3}$  lbs.



Roller Bearing

## The Myers Roller Bearing Pulleys *With Malleable Iron Frame*

Fig. 1701



Fig. 2256



Fig. 2257



### PRICE LIST

										Price
Fig. 1701,	5" Rope Sheave.	No. 1	with Eye (REBIV).	No. 3	with Hook (REBSA).	Wt.	5 $\frac{3}{4}$ lbs.	Ea.	\$2.00	
Fig. 2256,	5" Cable Sheave.	No. 10	with Eye (REBTY).	No. 11	with Hook (RECAK).	Wt.	5 $\frac{1}{4}$ lbs.	Ea.	1.75	
Fig. 2257,	8" Cable Sheave.	No. 12	with Eye (REBUW).	No. 13	with Hook (RECB1).	Wt.	8 $\frac{3}{4}$ lbs.	Ea.	3.25	

For Rope or Cable  
Fig. 2669



ROPE  
OR CABLE  
RECFA  
Per pair  
Price \$4.50  
7  $\frac{1}{2}$  lbs.

### Malleable Frame Parallel Sling Pulleys With Roller Bearings

Fig. 2669 represents a pair of Malleable Frame Pulleys for draft rope in handling slings or two forks for stacking purposes. They are also used regularly in connection with Sling Unloaders. The sheaves are so shaped that either a  $\frac{3}{8}$  inch cable or a  $\frac{7}{8}$  inch manila rope can be used.

Fig. 2207, Parallel Pulley with Handy Sling Lock.

Fig. 2207



RECGY  
Price \$3.00  
Each 4 lbs.





# MYERS FORK PULLEYS

*For All Hay Unloaders and Carriers*



Fig. 1124



Fig. 2259



H



CS



H50



Y

## PRICE LIST

		Price
Fig. 1124, Fork Pulley for all 4" Sheave Unloaders Plain Bearing. Wt. 4 lbs. ....	RAZEB	\$1.25
Fig. 1124, Fork Pulley for all 4" Sheave Unloaders <b>Roller Bearing</b> .....	REYKU	1.50
Fig. 2259, Fork Pulley for all 7" Sheave Unloaders (has 1 $\frac{1}{16}$ " Steel Axle). Wt. 7 lbs. ....	REBED	2.00
H . . . . .	Fork Pulley for original Myers O. K. Carrier. Wt. 2 $\frac{3}{4}$ lbs. ....	REDNI 1.25
CS . . . . .	Fork Pulley for Old Myers Combination Carrier. Wt. 3 $\frac{3}{4}$ lbs. ....	REDOG 1.25
H50 . . . . .	Fork Pulley for Old Single Rail Carriers, Ashland, Haymakers, etc. 3 $\frac{1}{4}$ lbs. ....	REDRA 1.25
Y . . . . .	Fork Pulley for Old One-Way Carriers—Rod and Wood Track. Wt. 2 $\frac{1}{2}$ lbs. ....	REDSY 1.25

## Wood Pulley Sheaves

Fig. 1178

Myers Wood Sheaves are turned from the best Clear Hard Wood and are full size. Dipped in hot oil and polished.

Fig. 1178



## Myers Hard Wood Pulley Sheaves REKAC

Order by Number

Sheave No.	Diameter Inches	(Actual)	Thickness Inches	Size Hole Inches	Weight Per 100	Price Per 100
W-153	3		1 $\frac{1}{8}$	$\frac{3}{4}$	16 lbs.	\$27.00
W-154	4 $\frac{1}{2}$	(4 $\frac{3}{8}$ )	1 $\frac{5}{8}$	$\frac{3}{4}$	50 lbs.	30.00
W-106	6	(5 $\frac{7}{8}$ )	1 $\frac{5}{8}$	1 $\frac{1}{16}$	87 lbs.	35.00
W-156	6	(5 $\frac{7}{8}$ )	1 $\frac{3}{4}$	1 $\frac{1}{16}$	100 lbs.	35.00
W-155	6	(5 $\frac{7}{8}$ )	1 $\frac{3}{4}$	$\frac{3}{4}$	100 lbs.	35.00
W-157	7	(6 $\frac{7}{8}$ )	1 $\frac{5}{8}$	1 $\frac{1}{16}$	130 lbs.	50.00
W-158	7	(6 $\frac{7}{8}$ )	1 $\frac{3}{4}$	1 $\frac{1}{16}$	150 lbs.	50.00
W-159	8	(7 $\frac{3}{4}$ )	1 $\frac{3}{4}$	1 $\frac{1}{8}$	175 lbs.	70.00
W-163	10	(9 $\frac{3}{4}$ )	1 $\frac{3}{4}$	1 $\frac{1}{8}$	240 lbs.	100.00

If different size hole is wanted for orders of 50 or more, give size hole wanted.

## IRON PULLEY SHEAVES RERAV

Diameters, 4 $\frac{1}{2}$ , 5, 5 $\frac{1}{2}$ , 6 and 7 inches. Order by Repair Number cast on Sheave.







# RAFTER BRACKETS, FLOOR AND HANGING HOOKS

*Used in Putting Up Steel or Wood Tracks as Shown on pages 348, 349*

Fig. 301 RAGAC



Steel  
Rafter Bracket  
Price, \$5.00 per 100  
Wt. 19 lbs.

Fig. 1844  
REFEZ

For 2 x 6 inch  
Ridge Pole  
Price, \$9.00 per 100  
Wt. 19 lbs.

Fig. 2630  
RELNA

For 2 x 8 or 10"  
Ridge Pole  
Price, \$10.00 per 100  
Wt. 25 lbs.

Fig. 1845  
REFIR

For 4 inch  
Ridge Pole  
Price, \$13.00 per 100  
Wt. 31 lbs.

Fig. 1846  
REFTU

Ridgepole  
To Attach 4"  
Ridge Pole  
to Rafters  
Price, \$22.00 per 100  
Wt. 100 lbs.

Fig. 266 RECUV



Floor Hooks

Price per 100  
 $\frac{5}{8}$  x 6 $\frac{1}{2}$ " \$16.00  
 $\frac{3}{4}$  x 7 " 19.00  
Wt. av. 88 Lbs.

Fig. 302 RAGHO

Double Steel Track  
Hanging Hooks

Price per 100  
 $\frac{1}{2}$  x 6" \$20.00  
 $\frac{1}{2}$  x 10" 20.00  
Wt. av. 75 Lbs.

Fig. 303

Screw Eye  
Hanging Hooks

Price per 100  
For Steel Track For Wood Track  
REDIT \$27.50 REDEB \$27.50  
Wt. 100 Lbs.

Fig. 267 REDAJ

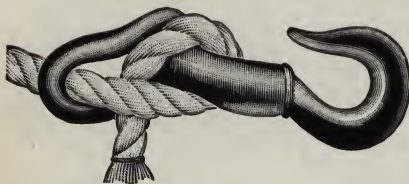
Wood Track  
Hanging Hooks

Price per 100  
 $\frac{1}{2}$  x 10" \$14.00  $\frac{1}{2}$  x 14" \$16.00  
 $\frac{1}{2}$  x 12" 15.00  $\frac{1}{2}$  x 16" 17.00  
Wt. av. 88 Lbs.

All Lengths are taken **after** bending. The Short Length Steel and Wood Track Hooks are for use with Steel Rafter Brackets. Fig. 303, Jointed Hook, is for use with Ridge Pole, no Rafter Bracket necessary.

## Myers Rope Hitch

Fig. 376 REFUS



Price, \$ .45 Each  
Wt. 1 $\frac{3}{4}$  lbs.

**FIG. 376** Rope Hitch. No more hard knots to untie. Hook can be released from single-tree instantly. Hitch can be shortened to any desired length by drawing on the end of the rope. Twist in rope is removed by means of swivel.

Fig. 439, Steel Grapple, is made of the best spring steel,  $1\frac{5}{8}$  x  $\frac{5}{16}$ " material, with a spread of 8 inches. It is used to attach pulley to rafter or beam. Attach to the side of beam or rafter—no need to surround it.

## Rafter Grapple

Fig. 439 REGAG



Steel  
Price, \$1.25 Each  
Wt. 3 $\frac{1}{2}$  lbs.





# WENZELMANN PATENT HAY RACK FIXTURES

*Malleable Iron Plate*

The Modern Way of Building Hay Racks

Fig. 1165

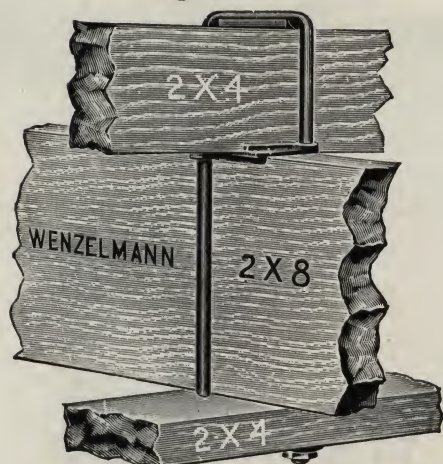
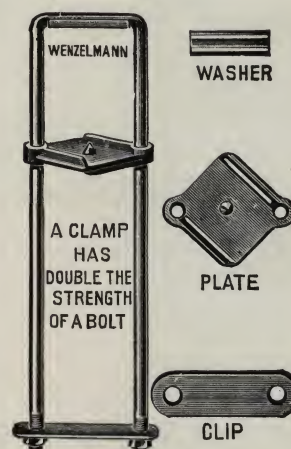


Fig. 1166



**W**HY construct your hay racks in the old way by using bolts and boring holes in the timbers, which method destroys fully one half of their strength, when you can procure a modern fixture, at a very low cost, which is quickly applied to the timbers, and saves a greater part of the cost in constructing the rack?

By using the Wenzelmann Hay Rack Fixtures the boring of holes in the timbers is not necessary. By their use the full strength of the timbers is retained, as they do away with the holes, which simply collect water and hasten decay.

It requires a very short time to build a rack with the use of these fixtures, a monkey wrench and saw being about all the tools required.

Kindly refer to Figs. 1165 and 1166 and note the special features as follows:

**The Intermediate Plate** adds much to the bearing surface at the cross section, and being stud-ded and flanged, keeps the timbers from twisting or slipping.

**The Clamps** are placed astride the timbers and have double the strength of bolts.

**The Bed Sills** and cross pieces cannot twist out of shape when these fixtures are used, as is the case in the old method of construction with bolts, nails, etc.

**The Grooved Steel Upper Washer** renders it impossible for the clamp to cut into the cross piece. The lower steel clip or washer keeps the bottom cross pieces from splitting.

One Set in a Box

Fig. 1176



Shows manner in which Wenzelmann Fixtures are put up.

## PRICE LIST

		Price
No. 0, Wenzelmann Hay Rack Clamp, $\frac{3}{8}$ x 12 inch.	Per set of 8, Wt. 10 lb. .... REHPA	\$1.30
No. 1, Wenzelmann Hay Rack Clamp, $\frac{3}{8}$ x 14 inch.	Per set of 8, Wt. 11 lb. .... REHVO	1.35
No. 2, Wenzelmann Hay Rack Clamp, $\frac{3}{8}$ x 16 inch.	Per set of 8, Wt. 12 lb. .... REJAD	1.45
No. 3, Wenzelmann Hay Rack Clamp, $\frac{3}{8}$ x 18 inch.	Per set of 8, Wt. 15 lb. .... REJEV	1.55
For $\frac{1}{16}$ inch rod, add to above lists, Per Set	..... REJIN	.20



# MYERS

## MYERS DOOR HANGERS

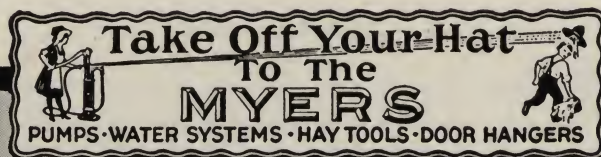
FOR

BARN, GARAGE, FACTORY AND  
WAREHOUSE DOORS

MERCHANDISE CONVEYORS AND  
STORE LADDERS

---

SEE REPAIR CATALOG FOR REPAIRS





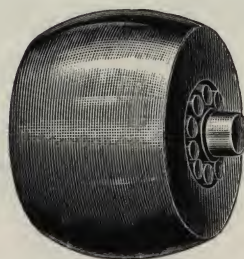
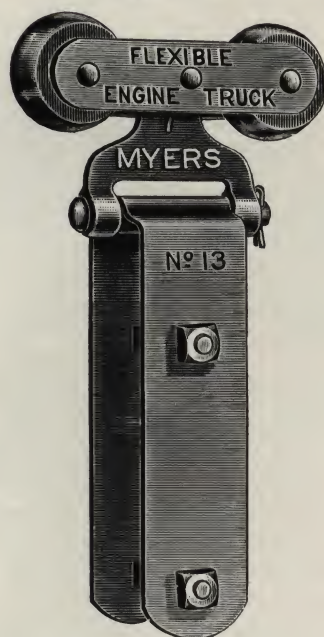


# THE MYERS NEW-WAY GIANT DOOR HANGER

*Plain Tandem with Flexible Engine Truck*

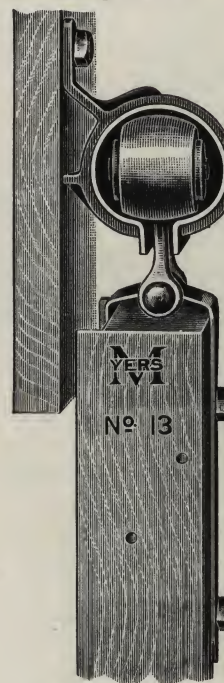
PATENTED

Fig. 2155



Showing the Machined Steel Roller, Roller Bearings and Hard Steel Axle used on the New-Way Giant Hanger.

Fig. 2162



**I**n order to make the sale of Door Hangers more profitable for the Dealer, we have combined the New-Way and Giant Door Hangers and Self-Cleaning Tubular Girder Track, to be used with or without Cover—a most complete and satisfactory article, combining all the advantages of the New-Way and Giant in one Hanger and Track. This simplifies the Door Hanger business to such an extent that it will, without doubt, be greatly appreciated by the trade as the New-Way Giant will carry any reasonable weight door so that the dealer need not concern himself about the weight of the doors that are to be used as this Hanger and Track cover all requirements.

Figs. 2155 and 2162 illustrate the Myers New-Way Giant Plain Tandem Door Hanger with Flexible Engine Truck, which adjusts itself to any conditions.

The ROLLERS or TRACK WHEELS are large in diameter, accurately machined from a solid piece of steel and fitted with hard steel roller bearings revolving on large steel axles which are riveted to the flexible truck, making it practically indestructible.

The HASP or APRON is  $1\frac{3}{4}$ " x 6" sheet steel, U shaped, and engages both sides of the door being held by heavy bolts. This Hasp is connected to the Hanger by a removable steel pin.

**FLEXIBLE.** The Hanger has a flexible joint, permitting the door to adjust itself to any unevenness of the building.

## PRICE LIST, Represented by Fig. 2155

	Price
No. 13, The Myers New-Way Giant Plain Tandem Hanger, complete with bolts. Wt. 6 Pair, 35 lbs. Per Pair SABAJ	\$2.00
No. 17, Myers New-Way Giant Track in 4, 6 and 8 ft. lengths. Wt. 100 feet, 233 lbs. Per Foot ..... SABIT	.22
No. 1, Intermediate Brackets. Wt. 100 Brackets, 65 lbs. Each ..... SABOG	.17
No. 2, End Brackets (right or left, reversible). Wt. 100 Brackets, 55 lbs. Each ..... SACFY	.17
No. 18, Cover for New-Way Giant Track in 4, 6 and 8 ft. lengths. Wt. 100 feet, 85 lbs. Per Foot ..... SACIS	.12

REPAIRS: See Pages 370 to 371, No. R40 Repair Catalog



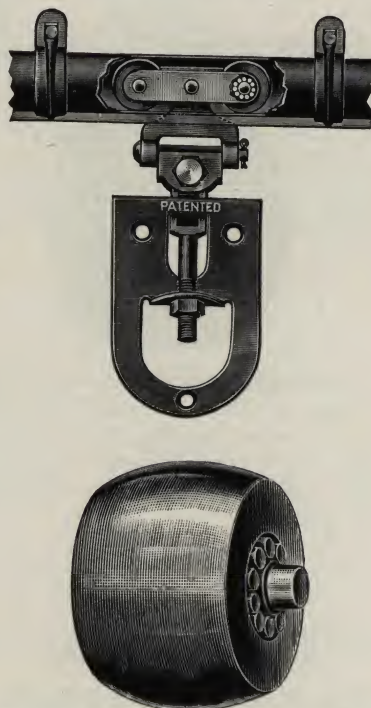
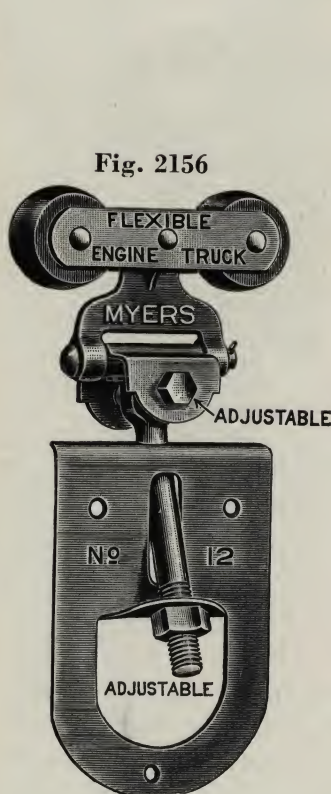


## THE MYERS NEW-WAY GIANT DOOR HANGER

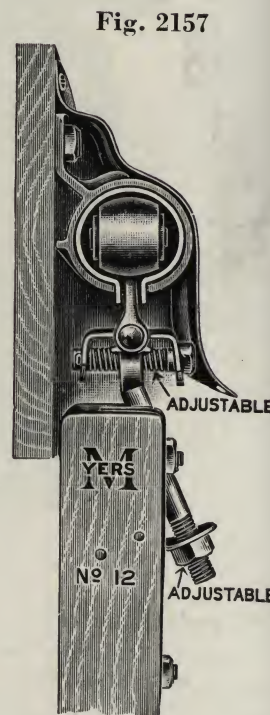
## Adjustable Tandem with Flexible Engine Truck

PATENTED

## Lateral Adjustment To and From the Building Vertical Adjustment to Raise and Lower the Door



Showing the Machined Steel Roller, Roller Bearings and Hard Steel Axle used on the New-Way Giant Hanger.



**FIGS. 2156 and 2157** illustrate the Myers New-Way Giant Adjustable Tandem, Door Hanger.

The HANGER is tandem, fitted with **Flexible Engine Truck**, which is pivoted in the center, allowing it to oscillate and adjust itself to any conditions.

The ROLLERS are large in diameter accurately machined from solid steel and fitted with hard steel roller bearings.

The APRON is a heavy steel stamping, 4" wide by 6" in length, held by three heavy bolts.

The LATERAL ADJUSTMENT, as shown in Fig. 2157, is a heavy screw bolt with a hexagon head,

adjusted by means of an ordinary wrench. Turning this bolt to the right or left moves the door to or from the building. The object of this adjustment is to permit the use of different thicknesses of doors, and also to close up all cracks between the doors and building.

The VERTICAL ADJUSTMENT is a heavy malleable iron bolt passing through the apron. By turning the nut, the door is raised or lowered as desired.

**FLEXIBLE.** The Hanger is fitted with our patented flexible joint which permits the door to adjust itself to uneven surfaces on the building and also allows it to swing out at the bottom when desired.

### PRICE LIST, Represented by Fig. 2156

<b>No. 12,</b>	The Myers New-Way Giant Door Hanger with double adjustment, complete with bolts. Wt. 6 Pair 45 lbs.			<b>Price</b>
	Per pair			
<b>No. 17,</b>	Myers New-Way Giant Track in 4, 6 and 8 ft. lengths. Wt. 100 feet, 233 lbs.	Per foot	SACOF	<b>\$2. 50</b>
<b>No. 1,</b>	Intermediate Brackets. Wt. 100, 65 lbs.	Each	SABIT	<b>.22</b>
<b>No. 2,</b>	End Brackets. Wt. 100, 55 lbs.	Each	SABOG	<b>.17</b>
<b>No. 18,</b>	Cover for New-Way Giant Track in 4, 6 and 8 ft. lengths. Wt. 100 feet, 85 lbs.	Per foot	SACFY	<b>.17</b>
			SACIS	<b>.12</b>

**REPAIRS:** See Pages 370 to 371, No. R40 Repair Catalog





# MYERS NEW-WAY GIANT TUBULAR GIRDER TRACK

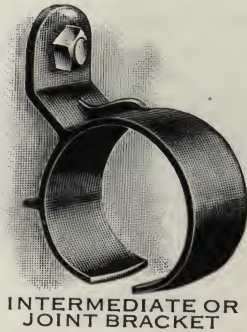
Self-Cleaning Bird, Dust and Vermin Proof

PATENTED

With or Without Cover

Holes Through the Track are Provided for Oiling  
Roller Bearings

Fig. 2160



INTERMEDIATE OR  
JOINT BRACKET

Fig. 2159

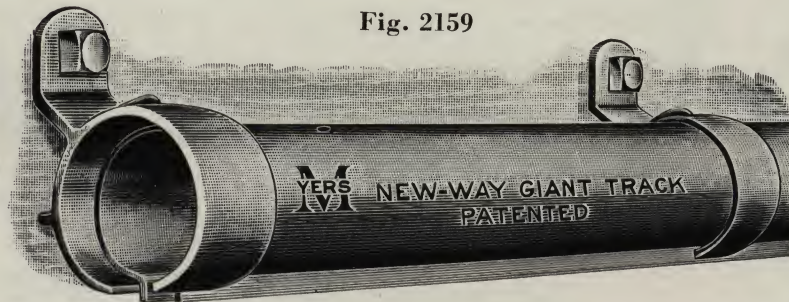
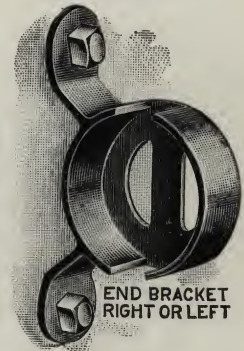


Fig. 2161



END BRACKET  
RIGHT OR LEFT

FIG. 2159 illustrates the Myers New-Way Giant Tubular Girder Self-Cleaning Track for Door Hangers. It is a combination of the New-Way and Giant Tubular Tracks having all the advantages of both, and is designed to simplify the Door Hanger business. It is furnished with or without Cover. It is completely enclosed, with oil holes to lubricate the Roller Bearings, and is Bird, Dust and Vermin Proof.

The TRACK is made of extra heavy stiff steel,  $1\frac{7}{8} \times 1\frac{3}{4}$ " in diameter, with  $\frac{3}{8}$ " Girders on the under side to stiffen it and permit the carrying of an unusually heavy door. The shape of the Track is not a perfect circle, as it has a greater width than depth, which braces it against spreading when under a heavy load. The Girder not only stiffens the Track but presents a flat surface to the Hanger Bracket instead of a thin edge that wears rapidly as on other Tubular Tracks. It is Self-Cleaning. Any dust or dirt that may blow into it immediately falls out, there being nothing to hold it. The dust that will accumulate in a Trolley or Box Track obstructs the trolley, causing it to run hard. This dust will draw dampness, which quickly rusts the track and shortens its life.

THE JOINT OR SPLICE is made by the ends of the track meeting half way in the bracket, thus making the joint as strong as any other part of the track. The entire track when on the building is held together by the end brackets, which clamp it tightly and hold the track in a rigid position, preventing it from slipping endwise.

THE BRACKET. Fig. 2160 illustrates the bracket as made to support the track every 4 feet. The bracket is malleable iron, with a heavy rib, and held in position by one lag screw at the upper end. The lower part of the bracket is carried against the side of the barn by means of a support that rests against the building.

THE END BRACKET, as shown in Fig. 2161, is similar to the regular bracket, with the exception that it has one side closed, which not only holds the track securely in position from sliding endwise, but also makes it bird proof. End brackets are reversible and can be used on either end of track.

Brackets required for One Dozen Pair Hangers—  
36 Intermediate—24 End.

Fig. 1448



Fig. 1448 represents the New-Way Giant Tubular Track as crated for shipment. Each crate contains 100 feet of track, made up of one 4 foot piece, four 6 foot pieces and nine 8 foot pieces. Track is nicely

nested together, taking up the smallest space possible. Crate is made of hard pine and will stand rough handling in shipping and is a neat package for warehouse storage.

## PRICE LIST, Represented by Fig. 2159

No. 17, Myers New-Way Giant Tubular Girder Track, Self-Cleaning in 4, 6 and 8 ft. lengths. Wt. 100 ft., 233 lbs. Per foot			Price
No. 1, Intermediate or Joint Brackets, Fig. 2160. Wt. 100, 65 lbs. Each	SABIT	\$ .22	
No. 2, End Brackets, Fig. 2161 (right or left, reversible). Wt. 100, 55 lbs. Each	SABOG	.17	
No. 18, Cover for New-Way Giant Tubular Track in 4, 6 and 8 ft. lengths. Wt. 100 ft. 85 lbs. Per foot	SACFY	.17	
	SACIS	.12	

ORDER IN FULL CRATES. Track put up 100 feet in a crate.

REPAIRS: See Pages 370 to 371, No. R40 Repair Catalog





# THE MYERS TRACK COVER FOR NEW-WAY GIANT TUBULAR GIRDER TRACK

*Can Be Installed Over the Entire Track or Over Door Opening Only*

Fig. 2670

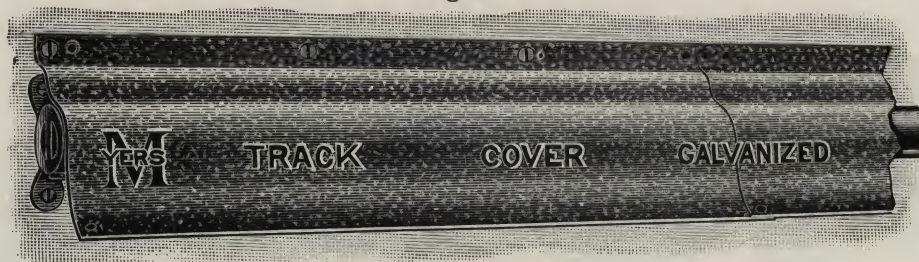


Fig. 2166

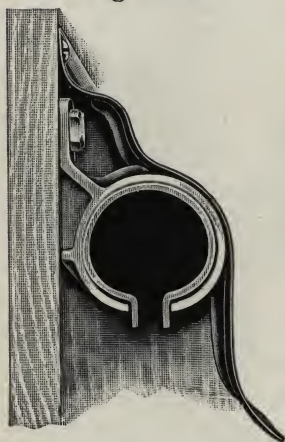


Fig. 2671



**FIG. 2670** illustrates the Myers Track Cover as furnished for New-Way Giant Track.

The COVER is a neat design, made of heavy Galvanized sheet steel with corrugations to stiffen it. Is attached to the building above and rests on the Track, making a complete water shed, shielding both the track and top of the door from rain, sleet, snow or ice.

The Cover is sold independent of the Track. Can be installed over the entire track or over the door opening only, or left off entirely, as desired.

**Fig. 2166** shows an end view of the Galvanized Cover and stiffening corrugations; also illustrates how completely the Track and Doors are protected against sleet, snow, ice or rain.

**Fig. 2671** shows manner in which the Galvanized Cover is packed for shipment, nests together occupying a very small space. Each package contains 100 feet of track cover made up of **one** 4 foot piece, **four** 6 foot pieces and **nine** 8 foot pieces, nicely nested together, taking up the smallest space possible.

Fig. 2672



**Fig. 2672** illustrates the New-Way Giant Track Cover when used over the Door Opening only, where it protects the entire top of the Door, the only place a Cover for Tubular Track is really needed, as the Hangers are on the inside of the Track and require no protection. This plan of installing the Cover is

entirely practical, and the cost is less than when the Cover is installed over the entire Track. On inside Doors cover is not needed. Hence the Myers Plan of using a Separate Cover is extremely practical and economical.

## PRICE LIST FOR NEW - WAY GIANT TRACK COVER, Galvanized

No. 18, Cover for New-Way Giant Track in 4, 6 and 8 ft. lengths. Wt. 100 ft., 85 lbs. Per foot .....	SACIS	Price
ASSORTED LENGTHS PUT UP IN BUNDLES OF 100 FEET.		\$ .12

**REPAIRS:** See Pages 370 to 371, No. R40 Repair Catalog



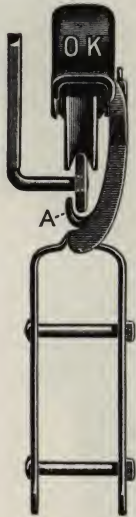


# THE MYERS "O. K. STAYON" FLEXIBLE COVERED DOOR HANGER WITH HARD STEEL ROLLER BEARINGS

*The Original Flexible Hanger - Has Never Been Equaled*

PATENTED

Fig. 997—Edge View



The Name Fully Describes It

Fig. 998—Front View



It Cannot Jump Off the Track  
"Stays On"

Fig. 999—Back View

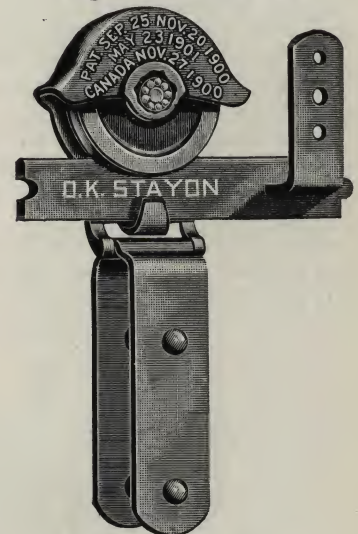


Fig. 1000

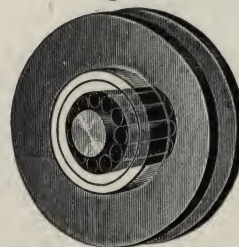


Hard Steel Roller Bearings Easy Running

Put Up One Pair in an Individual Carton



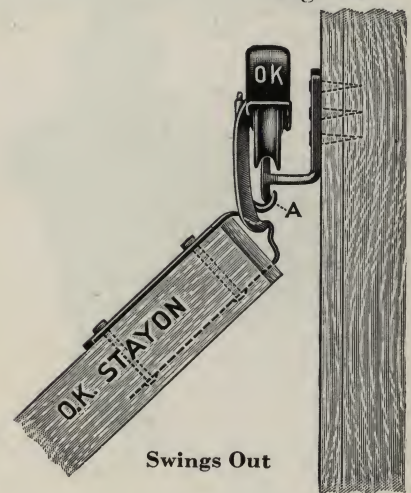
Fig. 855



X-Ray View of Roller Bearings

FOR Barn, Factory and Warehouse Doors

Fig. 1001



Swings Out

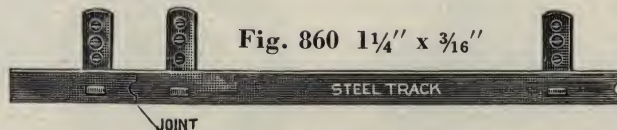


Fig. 860 1 1/4" x 3/16"

High Carbon Steel Track, 4, 6, 8 and 10 Foot Lengths

Exclusive Agency Given for Quantity

## PRICE LIST, One Pair in a Carton

		Price
No. 1, Myers, "O. K. Stayon" Door Hanger, complete with bolts.	Wt. 6 Pair, 40 lbs. Per pair .....	SACUT \$ 1.50
"O. K." Steel Track complete, in 4, 6, 8 and 10 foot lengths.	Wt. 100 feet, 100 lbs. Per 100 feet.....	SADAH 10.50
Stay Rollers for bottom of door.	Each .....	SADIR .25

REPAIRS: See Pages 370 to 371, No. R40 Repair Catalog





# THE MYERS ADJUSTABLE TANDEM STAYON FLEXIBLE DOOR HANGER

PATENTED

*With Steel Roller Bearings*

**T**HIS is the original hanger on the market that could be adjusted perpendicularly so as to locate the door at any desired point above the ground or laterally so as to adjust the door to or from the building, and will also adjust itself to any thickness of door. The perpendicular and lateral adjustments are made with an ordinary wrench, and at the will of the user.

This hanger combines all the patented features of our original Stayon Flexible Hanger, with the special features mentioned above, which are not used on any other make of Flat Track Hanger.

Fig. 1154 represents the face view of the hanger, showing the manner in which the wheels are most completely covered; also the bracing of the frame.

Fig. 1154

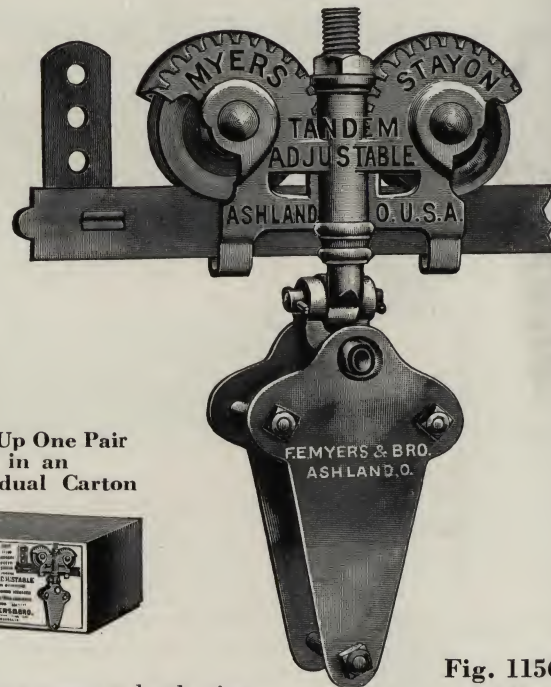


Fig. 1155



Put Up One Pair  
in an  
Individual Carton



Fig. 1155 represents the reverse or back view of the hanger, and shows the center bolt and nut by means of which the door can be raised or lowered at either end independently. This is especially of advantage when the ground is heaved up by frost thus preventing the door from being moved. In such cases by adjusting the nut at top of the hanger the door can be raised or lowered to suit the conditions; also shows Stayon feature.

Fig. 1156 represents an edge view of the hanger showing the cross bolt by means of which the door can be adjusted to or from the building; also its adjustability for different thicknesses of doors.

Fig. 1156

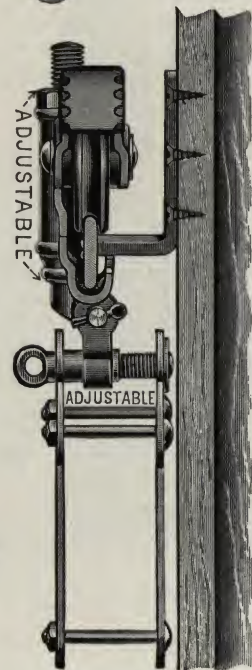
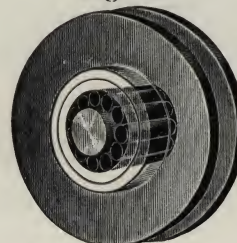


Fig. 855



For Barn, Factory and Warehouse Doors

HIGH CARBON STEEL TRACK, 4, 6, 8 and 10 FOOT LENGTHS

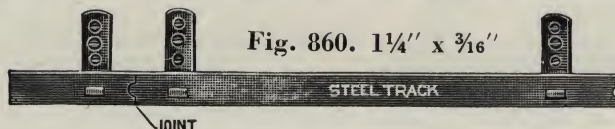


Fig. 860. 1 1/4" x 3/16"

Exclusive Agency Given for Quantity

## PRICE LIST, One Pair in a Carton

		Price
No. 3, Myers Adjustable Tandem Stayon Door Hanger, complete with bolts. Wt. 6 Pair, 60 lbs.	Per pair .....	SADRY \$ 3.00
"O. K." Steel Track complete in 4, 6, 8 and 10 foot lengths. Wt. 100 feet, 100 lbs.	.....	SADAH 10.50
Stay Rollers for bottom of door. Each .....	.....	SADIR .25

REPAIRS: See Pages 370 to 371, No. R40 Repair Catalog





# THE ASHLAND SURE GRIP FLEXIBLE DOOR HANGER

PATENTED

*It Cannot Be Thrown Off the Track*

Made in One Size Only and Guaranteed to Carry Any Size Door

Fig. 989



Fig. 991

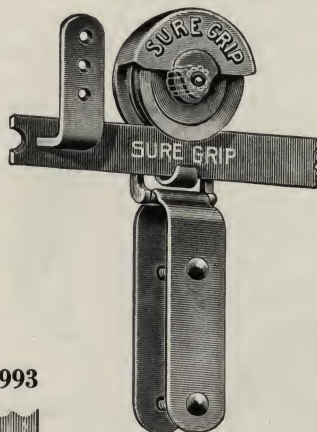


Fig. 992

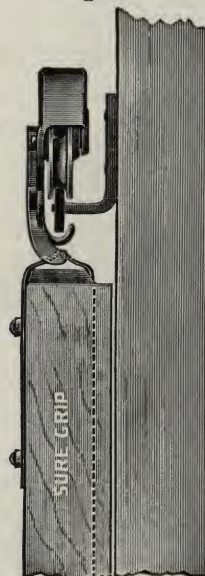


Fig. 993

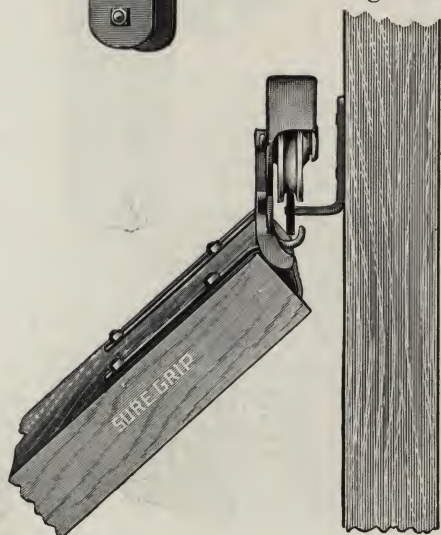
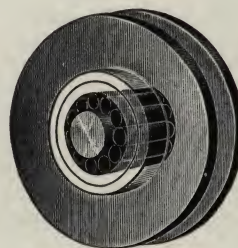


Fig. 855

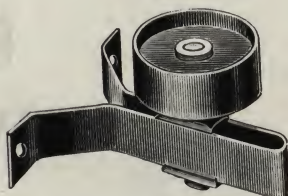
X-Ray View of  
Roller Bearings

One Pair in an  
Individual Carton

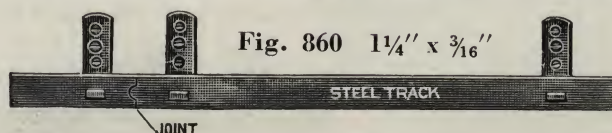


For Barn, Factory and  
Warehouse Doors

Fig. 890

Stay Roller  
Used at Bottom of Door

High Carbon Steel Track, 4, 6, 8 and 10 Foot Lengths



## PRICE LIST, One Pair in a Carton

	Price
No. 2, Ashland Sure Grip Door Hanger, complete with bolts. Wt. 6 Pair, 35 lbs. Per pair ..SAFAF	\$1.50
Steel Track for same complete, in 4, 6, 8 and 10 foot lengths. Wt. 100 feet, 100 lbs. Per 100 feet .....	SADAH 10.50
Stay Rollers for bottom of door. Each .....	SADIR .25

REPAIRS: See Pages 370 to 371, No. R40 Repair Catalog





# THE SURE GRIP PLAIN TANDEM FLEXIBLE DOOR HANGER

PATENTED

*Steel Roller Bearings Easy to Operate*

Made in One Size Only and Guaranteed to Carry Any Size Door

Fig. 1302

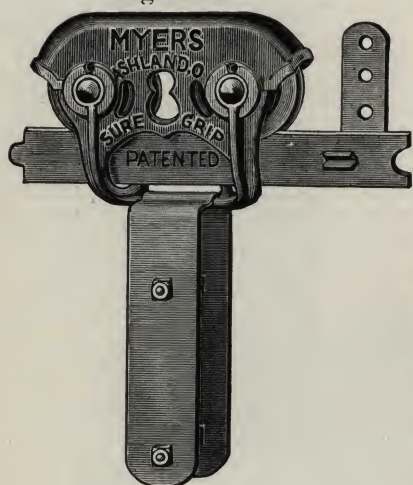


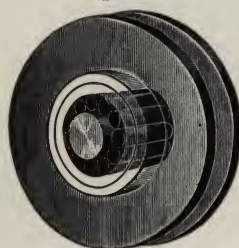
Fig. 990



Fig. 1303



Fig. 855



X-Ray View of Roller Bearings

FIGS. 1302 and 1303 illustrate the Sure Grip Plain Tandem Door Hanger, which is built in every particular the same as the regular Sure Grip Hanger, with the exception that the trolley has two wheels instead of one. The advantage of this is steady running on the track, without vibration.

Fig. 1302 shows a face view of the hanger and illustrates the heavy malleable ribs supporting the main frame, which add great strength and enable the hanger to carry any weight door.

Figs. 990 and 1303 illustrate side and back views of the same hanger, and show the stayon device, which locks around the under edge of the track preventing the hanger from being thrown off under any conditions.

Fig. 855 shows the roller bearings as used in this hanger.



Put Up  
One Set in an  
Individual Carton

High Carbon Steel Track,  $1\frac{1}{4}'' \times \frac{3}{16}''$ , 4, 6, 8 and 10 Foot Lengths



Fig. 860

## PRICE LIST, One Pair in a Carton

	Price
No. 7, Sure Grip Tandem Door Hanger, complete with bolts. Wt. 6 Pair, 42 lbs. Per pair . . . SAFIP	\$ 2.00
Steel Track complete, in 4, 6, 8 and 10 foot lengths. Wt. 100 feet, 100 lbs. Per 100 Feet .SADAH	10.50
Stay Rollers for bottom of door. Each . . . . . SADIR	.25

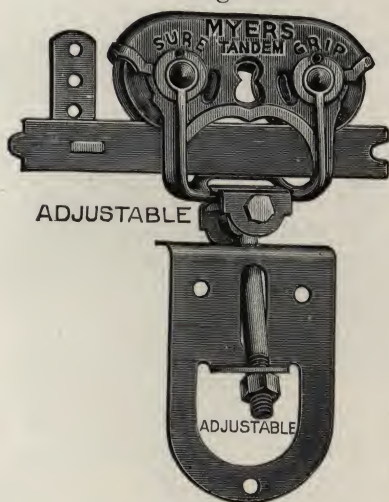
REPAIRS: See Pages 370 to 371, No. R40 Repair Catalog





# THE SURE GRIP ADJUSTABLE TANDEM DOOR HANGER

Fig. 1239



Steel Roller Bearings  
Easy to Operate

Put Up  
One Pair in an  
Individual Carton

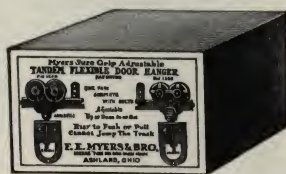
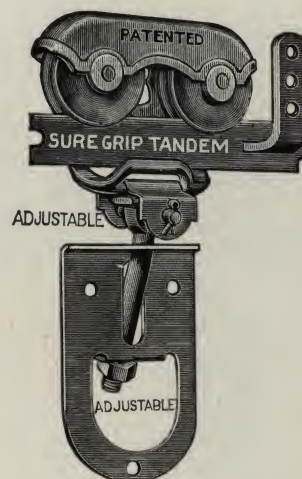


Fig. 1240



**FIGS. 1239, 1240 and 1223** illustrate the Sure Grip Tandem Door Hanger, which is adjustable in all parts. The perpendicular and lateral adjustments are made with an ordinary wrench, and at the will of the user. It combines all the patented features of our original STAYON Flexible Hanger, in connection with the special features mentioned above.

Fig. 1239 shows a face or front view of the Sure Grip Tandem, showing the heavy bracing of the frame, and also the strong rivet as used in the steel bracket to support the track.

Fig. 1240 illustrates a rear view of the Hanger showing the hard steel roller bearings surrounding the drawn steel axle; also shows the arrangement of the perpendicular adjustment.

Fig. 1223 shows an edge view of the Hanger; also shows the heavy rib on the side of the frame and both adjustments. By turning the bolt immediately below the Hanger the door can be moved either toward or from the building, as the case may require. It also shows the nut by means of which the door can be adjusted in a perpendicular direction—that is, the door can be raised or lowered by means of this nut.

Fig. 1224 also illustrates an edge view of the Hanger and Swing-Out device.

The track is heavy special high carbon stiff steel,  $1\frac{1}{4}''$  by  $\frac{3}{16}''$  inches, supported by rigid brackets, with a square shoulder mortised through the track.

Fig. 1223

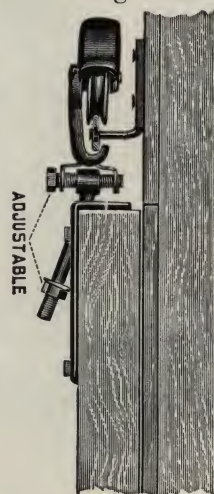
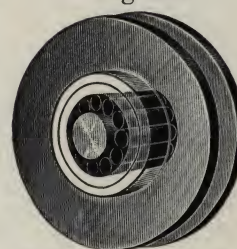


Fig. 855



X-Ray View of Roller Bearings

Fig. 1224

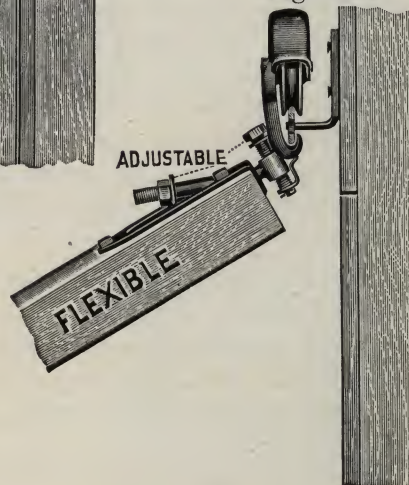
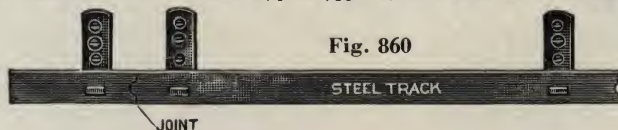
High Carbon Steel Track,  $1\frac{1}{4}'' \times \frac{3}{16}''$  4, 6, 8 and 10 Foot Lengths

Fig. 860

## PRICE LIST, One Pair in a Carton

		Price
No. 5, Sure Grip Tandem Hanger, complete with bolts.	Wt. 6 Pair, 50 lbs. Per pair	SAFOC \$ 2.50
Steel Track, complete, in 4, 6, 8 and 10 foot lengths.	Wt. 100 feet, 100 lbs. Per 100 feet	SADAH 10.50
Stay Rollers for bottom of door.	Each	SADIR .25

REPAIRS: See Pages 370 to 371, No. R40 Repair Catalog



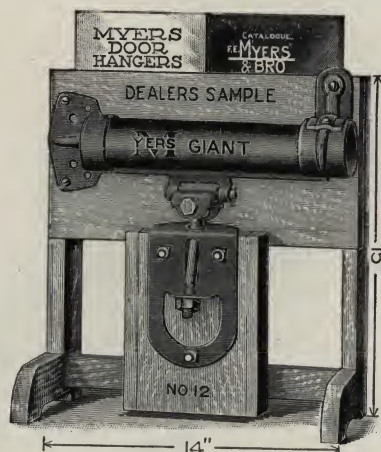


# MYERS DOOR HANGERS

DEALERS DISPLAY SAMPLES

*Goods Attractively Exhibited Are Easily Sold*

Fig. 1894



Counter Display Has Space for Catalogs

THE object of this Display Stand is to assist the dealer in the sale of Myers Door Hangers. They are furnished free with an order for the necessary quantity of Door Hangers and Door Track.

Display Stands for exhibiting Myers Door Hangers, are designed to assist the dealer in selling them. They are complete and artistic exhibits which enable the dealer to show the many advantages—strength, durability and ease of operation—of Myers Door and Garage Hangers.

On an order for quantity of Hangers and necessary amount of Track, one Display Sample will be furnished.

Fig. 1894—Samples furnished for Nos. 1, 3, 12 and 13 Door Hangers. Size 14" wide, 15" high.

## Installation of Regular Door Track and Hangers

**Flat Track:** The extreme top of the Bracket should be located 6½ inches above the top of the door open-

ing. The depth of the Bracket is 3 inches. The total depth of the Bracket and Track is 3½ inches.

**Tubular Track No. 17:** The extreme top of the Bracket should be located 7½ inches above the top of the door opening. The depth of the Bracket is 5 inches.

## Garage Track and Hangers—Flush Doors

**Flat Track:** The extreme top of the Bracket should be located 5 inches above the finished door opening. The depth of the Bracket is 3 inches. The total depth of the Bracket and Track is 3½ inches.

**Tubular Track:** The extreme top of the Bracket should be located 5½ inches above the finished door opening. The total depth of the Bracket is 5 inches.

Fig. 1449



Fig. 1449 represents the carton in which each set of door hangers is packed. It is a neat shelf package. Six of these cartons are packed in a tight wooden box, Fig. 1450, for shipping purposes.

Fig. 1450







# THE MYERS RIGHT ANGLE GARAGE DOOR HANGER

PATENTED

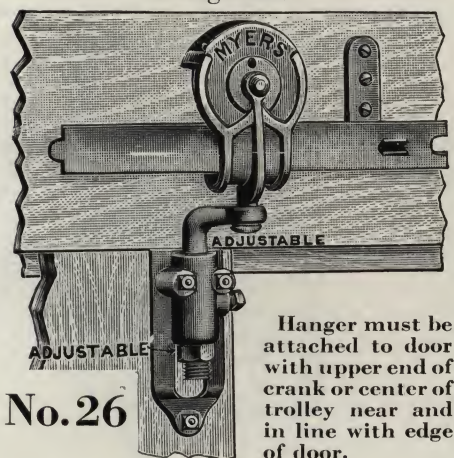
*Rolls Around The Corner*

Adjustable Stayon

For Inside Sliding Doors on Any Building

Storm and Weather Proof

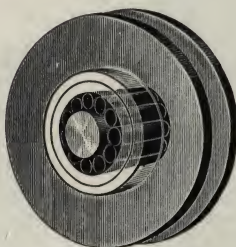
Fig. 2059



No. 26

Hanger must be attached to door with upper end of crank or center of trolley near and in line with edge of door.

Fig. 855



X-Ray View of Roller Bearings

Fig. 1792



Fig. 1797



No. 25

*These Hangers Can Be Installed by Any Carpenter.*

THE Myers Right Angle Garage Door Hanger is designed especially for garages and similar buildings and is a very practical hanger for doors on barns, warehouses, etc., where space must be considered, as the doors roll around the corner out of the way, on the inside of the building—Wind cannot move them. No snow to shovel.

The Hanger has both Vertical and Lateral Adjust-

ments. Fits any thickness of door and is used on Flat Steel Track,  $1\frac{1}{4}'' \times \frac{3}{16}''$ .

The rolling doors can be made up of any number of sections required to fill the opening. Doors 36'' to 42'' in width are preferable owing to the smaller amount of space required in passing around the corner of the building. Doors hinged together must be of the same width.

High Carbon Steel Track,  $1\frac{1}{4}'' \times \frac{3}{16}''$ , 4, 6, 8 and 10 Foot Lengths

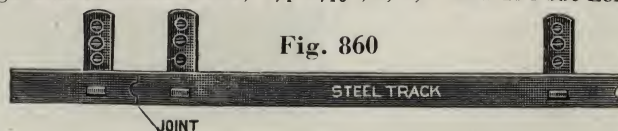
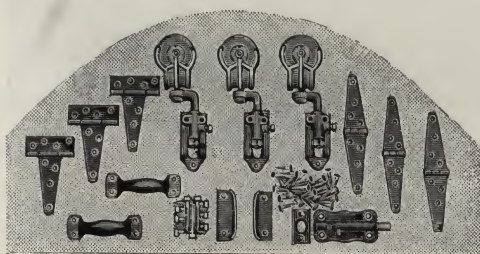


Fig. 860

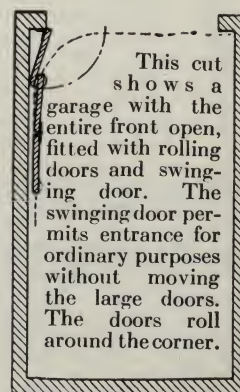
## PRICE LIST, One Set of 3 in a Carton

No. 26, Myers Adjustable Garage Door Hanger, with bolts. Wt. per set, 10 lbs. Per set of 3 . . . . .SAGEW	Price \$3.30
No. 25, Tandem Adjustable Garage Door Hanger, with bolts. Wt. per set, $12\frac{1}{2}$ lbs. Per set of 3 . . . . .SAGOB	4.50
Myers O. K. Steel Track, in 4, 6, 8 and 10 ft. lengths. Wt. 100 feet, 100 lbs. Per 100 ft. . . . .SADAH	10.50



The cut at left illustrates the material necessary (except Track and Lock) for a complete set for 3 Door Opening. Rolling Doors should be of equal width.

Myers furnishes the Hangers and Track only. The Hinges, etc., are regular hardware stock.



This cut shows a garage with the entire front open, fitted with rolling doors and swinging door. The swinging door permits entrance for ordinary purposes without moving the large doors. The doors roll around the corner.

REPAIRS: See Pages 370 to 371, No. R40 Repair Catalog





# THE MYERS RIGHT ANGLE GARAGE DOOR HANGER

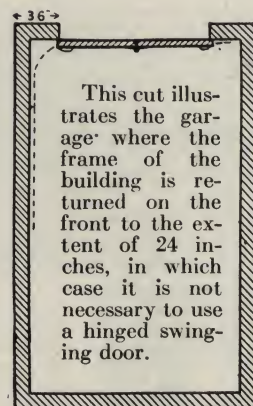
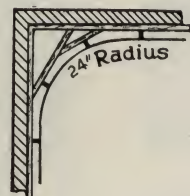
*Nos. 25 and 26 Adjustable Stayon*

For Inside Sliding Doors on Any Building. These Hangers Can Be Used on Any 1 1/4 Inch Flat Track

Fig. 1789



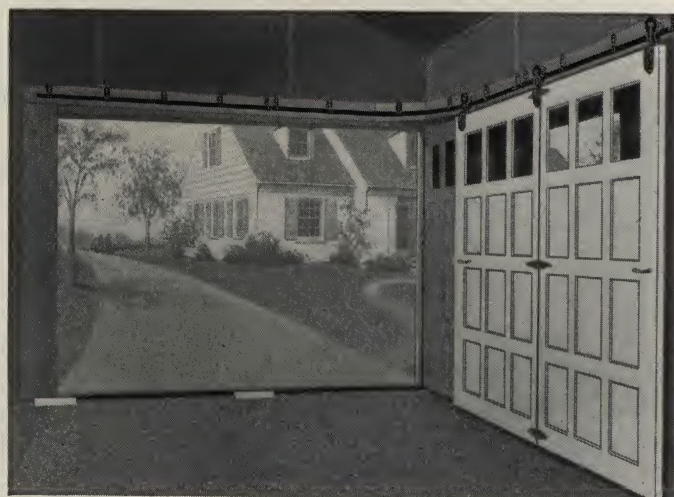
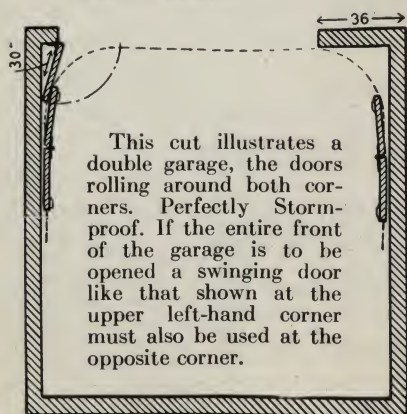
**F**IG. 1789, illustrated above, shows an inside view of a garage, the doors being hung with Myers Right Angle Garage Door Hangers mounted on O.K. Stayon Steel Track. These doors roll around the corner on the curved track, and the entire front of the garage is open. It will be noted that an ordinary



30 inch Hinged door is used in connection with sliding doors, permitting the user to enter building without moving the larger doors. 30, 36 or 42 inch doors, and intervening sizes work satisfactorily when hung in this way, and two, three or four doors can be hinged together as may be necessary.

Fig. 1790

Can be used with  
**Four Doors**—two  
rolling around  
each corner.



**Opens Entire Front—Space Economy**

Fig. 1790 shows the doors as they appear when open, along the inside of the building, entirely out of the way, free from weather conditions, and occupying but little space. Entire front of garage in this illus-

tration is utilized for door space. If this is not desired, doors can be placed to the right or left, and only a section of the front used for this purpose. Doors can be operated in either direction as conditions require.





# THE MYERS ECONOMY GARAGE DOOR HANGER

PATENTED

No. 27 *Adjustable Stayon*

For Hinged Folding Doors Used With 1 1/4 Inch Flat Steel Track

For Inside or Outside Doors on Any Building

Fig. 2058

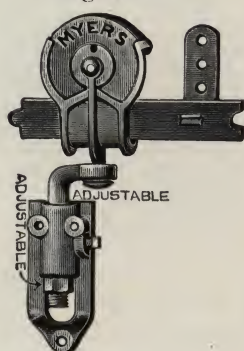


Fig. 1792

Storm and  
Weather ProofCan be Installed  
by Any Carpenter

Fig. 855

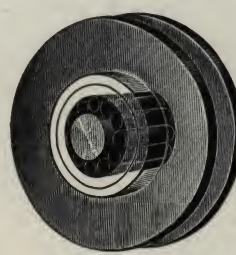
X-Ray View of  
Roller Bearings

FIG. 2058 illustrates the Myers Economy Door Hanger and shows the construction in detail. The frame is heavy malleable iron with large wheel, operating on steel roller bearings. Patent adjustable features permit either vertical or lateral adjustments being made. Double Stayon Device extends underneath the track which prevents trolley being thrown

off under any condition. The Crank-Shaped Stem, extending from the center of frame, permits this Hanger being used in connection with any thickness of door.

Fig. 1792 is an edge view and shows Stayon Device mentioned above; also the Weather-Proof features.

High Carbon Steel Track, 1 1/4" x 3/16", 4, 6, 8 and 10 Foot Lengths



Fig. 860

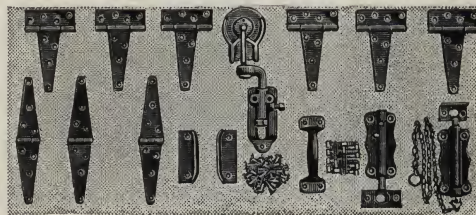
## PRICE LIST, One Set of One in a Carton

		Price
No. 27 Myers Economy Adjustable Garage Door Hanger, with bolts. Wt. 6 sets, 20 lbs.		
Per set of One .....	SAGUP	\$ 1.10
Myers O. K. Steel Track, in 4, 6, 8 and 10 ft. lengths. Wt. 100 feet, 100 lbs. Per 100 feet	SADAH	10.50

The adjoining cut illustrates the material necessary (except Track and Lock) for a **complete set** for 3 Door Opening.

Myers furnishes the Hangers and Track only. The Hinges, etc., are regular hardware stock.

ROLLING DOORS MUST BE THE SAME WIDTH.



REPAIRS: See Pages 370 to 371, No. R40 Repair Catalog



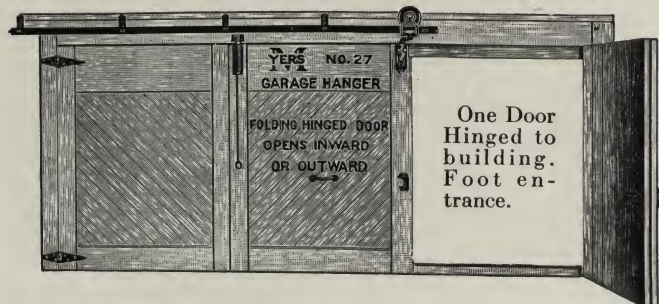


# THE MYERS ECONOMY GARAGE DOOR HANGER

*No. 27 Adjustable Stayon*

**For Hinged Folding Doors Used With 1¼ Inch Flat Track**

**Fig. 2060**



**Fig. 1810**

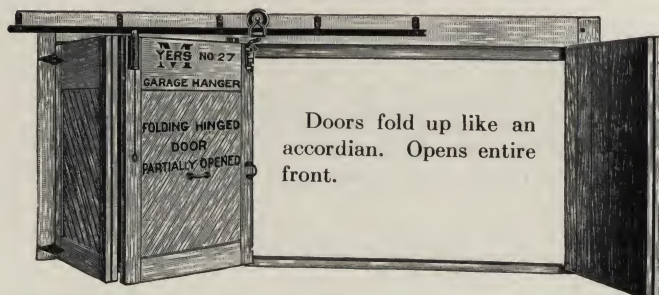


Fig. 1810 shows top view of track as blocked out from building to permit doors being swung back against side of building.

The Myers Garage Hanger is really a Universal Hanger as it adapts itself to either rolling or folding Hinged Doors.

The No. 27, Myers Economy Garage Hanger and Track are used on this style door or on rolling doors.

**Fig. 2061**



**Fig. 2170**

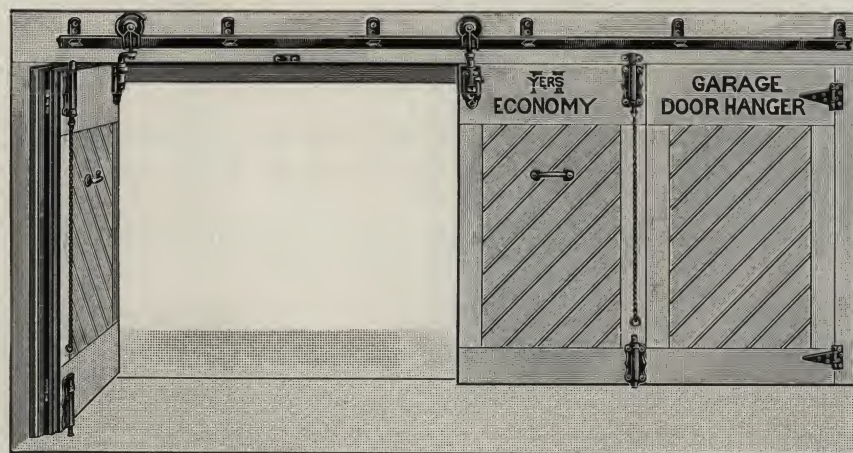


Fig. 2170 illustrates the Myers Economy Garage Door Hanger as used on four doors in pairs—each pair of doors hinged to side of Door Post. By placing the Track flat against Door Header or Top Casing,

the doors will open at full right angles. By blocking out each end of Track like Fig. 1810, the Doors will swing back flat against the side of the building.





# MYERS NEW-WAY GIANT GARAGE DOOR HANGER

PATENTED

No. 31 Adjustable Tandem

Opens Entire Front of Garage

Fig. 2554

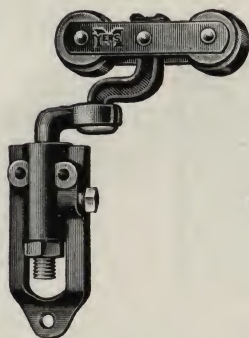


Fig. 2171

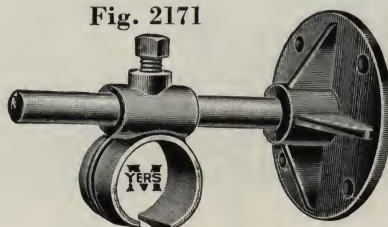


Fig. 2161

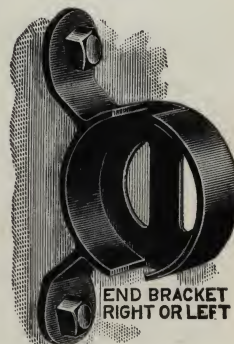


FIG. 2554 illustrates the Myers New-Way Giant Garage Hanger with Machine Turned Steel Rollers, Hard Steel Roller Bearings and Double Adjustment.

Fig. 2171, Adjustable Bracket allows Door to swing back flat against the building.

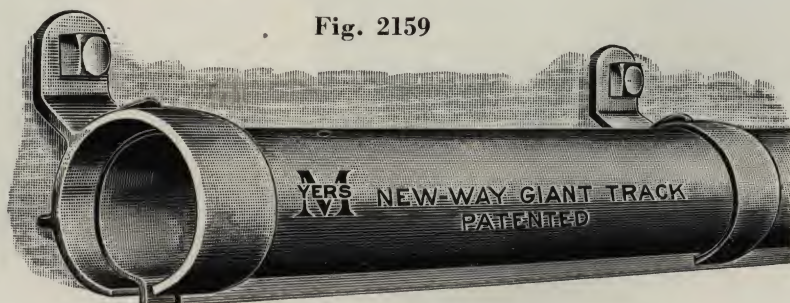
Fig. 2161, End Bracket.

The Myers New-Way Giant Garage Door Hanger is covered thoroughly by Letters Patent both as to track and adjustable features on the Hanger. The Track is made of high carbon stiff steel with two flanges turning downward at the lower edge, making a truss or

girders which stiffen the track, enabling it to carry a much heavier load than any other style tubular track. In addition to this, there is no possible chance for dirt to lodge on inner side of the Track.

The Vertical Adjustment is made by turning the large Nut on lower end of Crank Pendant. Lateral Adjustment, by moving the Crank Shaped Pendant either towards or from the building being held in desired position by Set Screw. A perfectly close fit can always be made. An ordinary wrench is the only tool necessary. Can be used on any thickness of door.

Fig. 2159



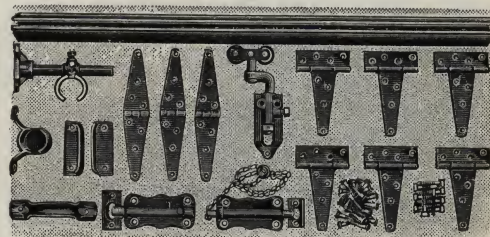
## PRICE LIST

			Price
No. 31, Myers New-Way Giant Garage Door Hanger, with Bolts.			
Weight 6 Sets, 20½ lbs. Per set of One	SAHAD		\$1.50
New-Way Giant Track in 6, 8 or 9 ft lengths. Wt. 2½ lbs. per ft. Per foot	SABIT		.22
Bracket, Adjustable, complete, Fig. 2171. Wt. 2¼ lbs. ea. Each	SAHEV		.75
Bracket, End, Fig. 2161. Wt. ½ lb. ea. Each	SACFY		.17

The adjoining cut illustrates the material necessary (except Lock) for complete set for 3 Door Opening.

Myers furnishes the Hangers, Track and Brackets only. The Hinges, etc., are regular hardware stock.

ROLLING DOORS MUST BE OF THE SAME WIDTH.



REPAIRS: See Pages 370 to 371, No. R40 Repair Catalog





# MYERS NEW-WAY GIANT GARAGE DOOR HANGER

PATENTED

*Any Thickness of Doors Opens Entire Front of Garage*

Fig. 2064

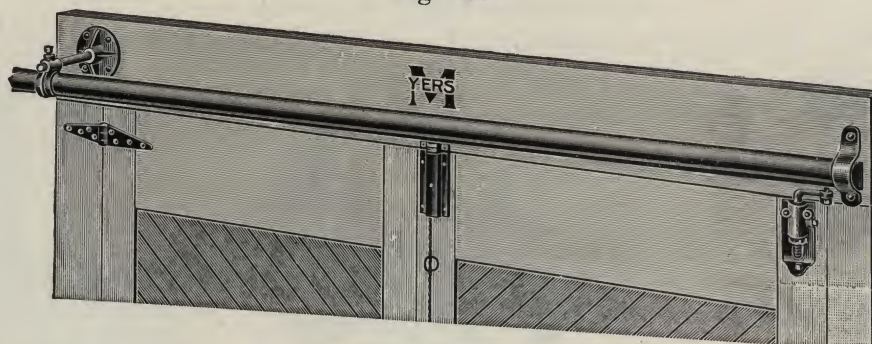


Fig. 2064 illustrates the Myers New-Way Giant Garage Door Hanger as used on Two Sliding Folding Doors. Opens the entire front of Garage—Openings 8 to 12 feet.

Fig. 2063

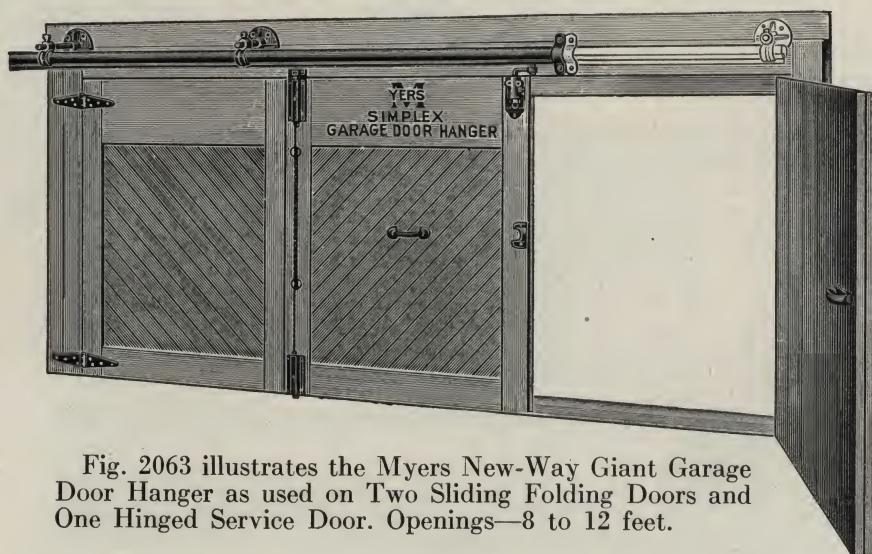


Fig. 2063 illustrates the Myers New-Way Giant Garage Door Hanger as used on Two Sliding Folding Doors and One Hinged Service Door. Openings—8 to 12 feet.

## SPECIAL BRACKETS FOR OVERHEAD AND SIDE WALL

Fig. 1932



Fig. 1933



Fig. 2168

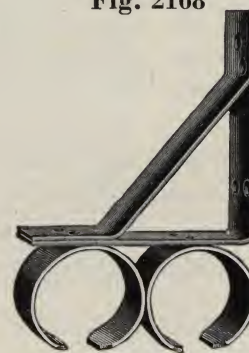


Fig. 1801



### PRICE LIST

		Price
Single Int. Bracket, Fig. 1932.	Each	SAHIN \$ .30
Single End Bracket.	Each	SALER .40
Double Int. Bracket, Fig. 1933.	Each	SAJAB .60
Double End Bracket.	Each	SALOW .80
Side Wall Int. Bracket, Fig. 2168.	Each	SAJET .75
Side Wall End Bracket.	Each	SALUK 1.00

Fig. 1801 shows a ship-lap joint where the two sections of the rolling doors are hinged together. This makes a water-tight joint.





# THE MYERS MERCHANDISE CONVEYORS

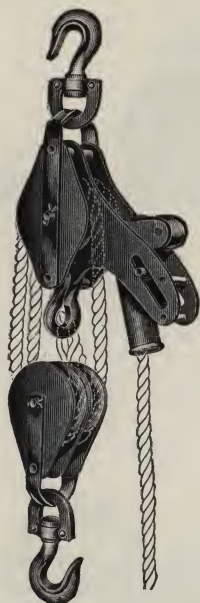
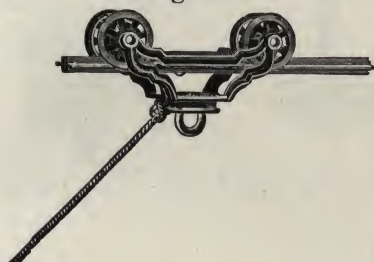
Roller-Bearing Steel Self-Locking Safety Hoists.

*Will Hold the Load at Any Point*

Fig. 2959

Fig. 504

Fig. 923

Fig. 1259  
TICAS

THE double steel track is composed of two Tee steel rails held together by malleable clamps. It can be placed in any kind of a building, and the hangers spaced so as to coincide with the timbers to which they are to be attached.

The Trolley Frame is malleable iron, Wheels  $3\frac{1}{4}$ " in diameter with steel bearings bolted in; easily replaceable.

The Hoist is all steel and malleable, with Roller Bearings and a reliable lock holding at any elevation.

For convenience in storing merchandise in Warehouses, Store Rooms, Feed Barns, etc.

## PRICE LIST, Represented by Figs. 923 and 2959

		Price
No. 2, Trolley only, Fig. 923 (without Hoist)	SAJIL	\$ 4.00
No. 5A, Fig. 2959 Hoist only, For $\frac{3}{8}$ inch rope. Capacity 500 lbs. One man can lift 300 lbs. Wt. 5 lbs.	SAMAY	2.00
No. 6A, Fig. 2959 Hoist only, For $\frac{1}{2}$ inch rope. Capacity 1000 lbs. One man can lift 300 lbs. Wt. 7 lbs.	SAMKE	3.50
No. 7A, Fig. 2959 Hoist only, For $\frac{5}{8}$ or $\frac{3}{4}$ inch rope. Capacity 1800 lbs. One man can lift 300 lbs. Wt. 11 lbs.	SAMOV	5.25
Track, complete with Fig. 1259 Hangers every 24 inches. Wt. $2\frac{1}{2}$ lbs. Per Ft.	SAKUL	.42

## THE MYERS CONVEYOR

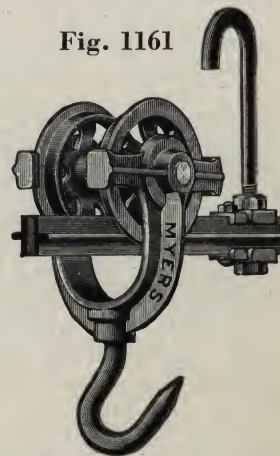
For Use in Markets, Packing Houses, Store Rooms, Feed Barns, Warehouses, Etc.

Fig. 1161 illustrates the Myers Conveyor, adapted for use as specified above. Track Wheels are  $3\frac{1}{4}$  inch in diameter bolted in; easily replaceable. The frame is malleable iron and is fitted with Clevis or Hook. Hook furnished regularly.

## PRICE LIST, Represented by Fig. 1161

		Price
No. 1, Trolley only, as shown in Fig. 1161. (Maximum load 500 lbs.) Each	SALAZ	\$2.00
Track, complete with hangers and brackets every 24 inches. Per foot	SAKUL	.42

Fig. 1161







# THE MYERS CUSHION TIRE STORE LADDER

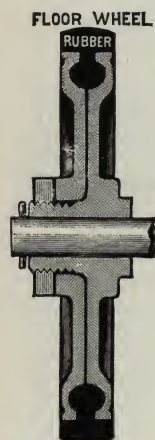
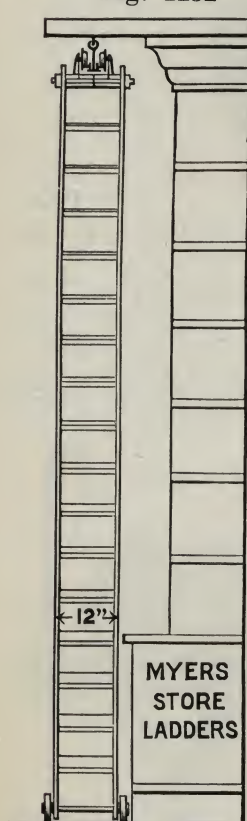


Fig. 1252 shows a front view of the Myers Store Ladder and shows clearly that this style ladder takes up no more space than that occupied by a ladder facing the shelving; also that the user can easily reach the top shelves from the ladder. This is the only style of ladder we make.

Fig. 1252



## With Malleable Iron Trolley

Fig. 1260

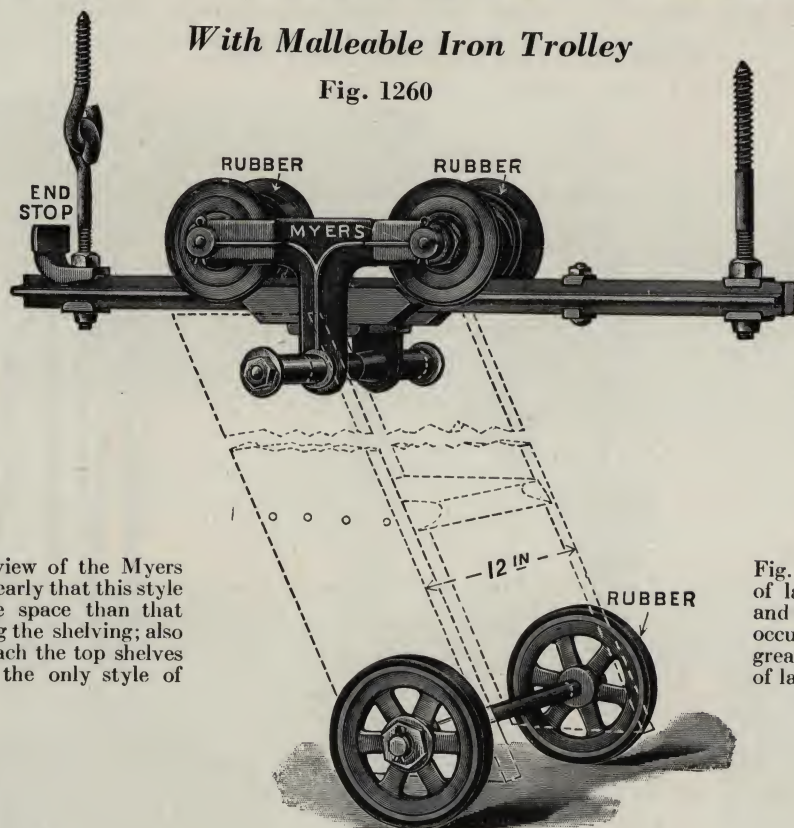


Fig. 1260 is an enlarged view showing the different parts in detail.

THE TRACK is our well known double angle steel rail, which is very neat and strong and is suspended from ceiling by means of lag screws, either jointed or rigid, or by flanged plates and wood screws. By this means the track is placed close to the ceiling and can be leveled on an uneven ceiling without the least trouble and without any blocking or bridging, as is the case in many other tracks.

THE LADDER is constructed of the best clear Georgia pine, nicely finished, filled and varnished. It has open panel sides and the width is 12 inches.

THE TROLLEY is Malleable Iron, self-adjusting, fitted with turned steel bearings and  $3\frac{1}{2}$  inch anti-rattler wheels turned and bored on lathe and fitted with special rubber tires.

THE FLOOR TRAVELERS, are 5 inches in diameter, composed of metal sides, with rubber cushion tires clamped in such a position as to be impossible to get off or come loose. These wheels are placed on a steel axle. With this style trolley, which is noiseless, we overcome a great objection in other ladders.

### Directions for Fitting Store Ladder

Give us the exact height of the ceiling and the length of each track, and we will do all the fitting at the factory. If the height of the ceiling varies, give us the height of ceiling at each end and center of each run of track.

	Price
Ladders for ceilings 14 feet or less in height and trolley complete.....TIBAT	\$30.00
For each additional foot or fraction thereof, add to above price.....	1.50
Track complete with hangers every 36 inches. Per foot.....TIBEL	.40
Standard length hooks are 6" from track to joint—for extra length hooks add for each inch over 6". Per doz.....	.15
Jointed Hanging Hook like cut at left recommended and always furnished unless others are specified.	

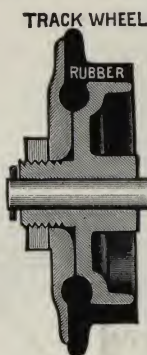
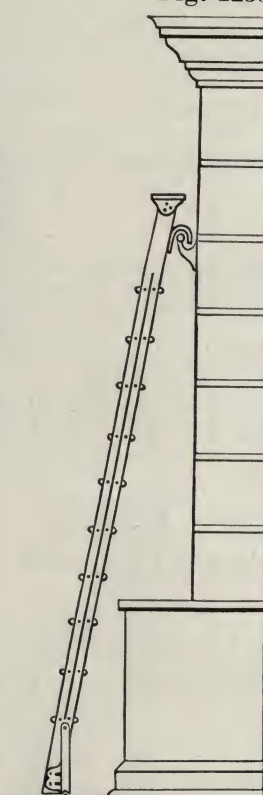


Fig. 1253 illustrates other makes of ladders which face shelving, and shows clearly that the space occupied by the ladder is just as great as that of the Myers style of ladder.

Fig. 1253



This type of Ladder is not furnished by Myers

REPAIRS: See Page 371, No. R40 Repair Catalog





# THE MYERS CUSHION TIRE STORE LADDER TRACK

PATENTED

Fig. 824 TIBEL



FIG. 824 represents a section of double steel track used for Store Ladders. This cut also shows the joint or splicing clamp, and the manner in which the separate pieces of track are connected.

Fig. 1840 shows another section of the same track with the Hanging Hooks attached.

## PATENT STEEL TRACK SYSTEM

Fig. 1840 TIBEL

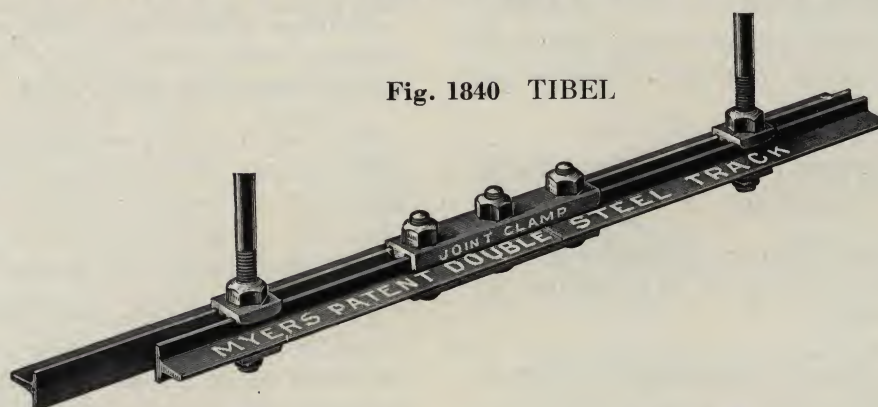


Fig. 1042  
RAGBA  
Price \$ .12½



End Stop  
Each

Fig. 302  
TIDUC  
Price \$ .20



Each

Fig. 1258  
TIBID  
Price \$ .30



Both Parts

Fig. 1168  
TIBPO  
Price \$ .20



Each

Fig. 1259  
TICAS  
Price \$ .27½



Each

FIG. 1042 represents the END STOP. Two end stops are furnished with each ladder and are designed to prevent the trolley from running off the track at either end.

Fig. 1259 represents the Jointed or Screw Eye Hanging Hook, which is regularly used for erecting Myers Store Ladder Track, and is always furnished with the track, unless otherwise specified on order.

Fig. 1258 illustrates the Hanging Hook as used in connection with a flanged loop that is attached to the ceiling by means of two heavy wood screws.

Fig. 1168 represents another style of Hanging Hook with lag screw point. This forms a rigid track.

The Myers Double Angle Steel Track as furnished for Cushion Tire Store Ladders, is both substantial and simple in construction. When the track is clamped together it becomes very stiff and is the most complete device known for the purpose. It is easily put together, (no riveting), a wrench is the only tool needed. The rails are made to our special order, and are what is known as rolled carbon. They are uniformly stiff and hard.

### PRICE LIST

Track, Complete with Fig. 1259 Hooks, every 36 inches, Per Foot .....TIBEL \$ .40





# ENGINEERING AND OTHER VALUABLE INFORMATION

## To Determine the Horse Power Required for Pumping Water

**A SHORT PRACTICAL RULE.** Based on 50% Efficiency of Pumps.

### FOR DOUBLE ACTING PUMPS

Formula 1. Horse Power—Head in feet  $\times$  Gallons per Minute  $\div$  2000 = Horse Power.

Formula 2. Head in Feet—Horse Power  $\times$  2000  $\div$  Gallons per Minute = Head in Feet.

Formula 3. Gallons per minute—Horse Power  $\times$  2000  $\div$  Head in Feet = Gallons per minute.

### FOR SINGLE ACTING PUMPS OR WORKING BARRELS

Add 50% to Horse Power as determined by Formula 1. Divide Head or Gallons as determined by Formula 2 or 3 by 1.50.

### FOR DOUBLE ACTING WORKING BARRELS

Add 15% to Horse Power as determined by Formula 1. Divide Head or Gallons as determined by Formula 2 or 3 by 1.15.

Always bear in mind that if pumping into a Pressure Tank, each pound of pressure is equal to 2.3 feet head (40 pounds pressure equals 92 feet) and must be added to the total head.

### EXAMPLE

130 foot well to elevate water 20 feet above the Pump to a Pressure Tank with 50 pounds pressure, to deliver 10 gallons per minute.

50 lbs. Tank Pressure  $\times$  2.3 = 115 feet + 150 feet total head = 265 feet  $\times$  10 gallons per minute = 2650  $\div$  2000 = 1.325 + the 50% added for Single Acting Cylinder = 1.99 H. P. A 2 H. P. Motor, loaded to the maximum only at peak or highest pressure, would be satisfactory.

The V2958AMT with a  $2\frac{3}{4}$ " Single Acting Working Barrel only delivers 9.75 gallons and will not answer. Hence, the above requires a V2958AMT with a  $2\frac{1}{4}$ " Double Acting Working Barrel, which delivers 10.5 gallons per minute with 1.69 H. P., and is the proper equipment to recommend as it actually delivers more water with less Horse Power.

## Rules to Determine the Size and Speed of Pulleys and Gears

The driving pulley is called the Driver, and the driven pulley the Driven.

In figuring gear drives, the number of gear teeth is used instead of diameter, so the number of teeth must be substituted wherever diameter occurs.

**Caution**—Figure back gearing where necessary. Bulldozer pumps back geared 5 to 1 and deep well working heads back geared 7 to 1.

For V-Belt drives on bulldozer and deep well power pumps the correction factor .87 must be applied to the results obtained from the following rules. The outside diameters for both the grooved motor pulley and flat face pump pulley must be used.

**To find the Diameter of Driver**, the diameter of the Driven and its revolutions, and also revolutions of Driver being given: Multiply the diameter of Driven by its revolutions, and divide the product by the revolutions of Driver; the quotient will give the diameter of the Driver. If V belt drive, divide result by .87.

**To find the Diameter of Driven**, the revolutions of the Driven, also diameter and revolutions of the Driver being given: Multiply the diameter of Driver by its revolutions, and divide the product by the revolutions of the Driven; the quotient will give the diameter of the Driven. If V belt drive, multiply result by .87.

**To find the Revolutions of the Driver**, the diameter and revolutions of the Driven, also diameter of the Driver being given: Multiply the diameter of Driven by revolutions, and divide the product by the diameter of the Driver; the quotient will give the revolutions of Driver. If V belt drive, divide result by .87.

**To find the Revolutions of the Driven**, the diameter and revolutions of the Driver, also diameter of the Driven being given: Multiply the diameter of Driver by its revolutions, and divide the product by the diameter of Driven; the quotient will give the revolutions of Driven. If V belt drive, multiply result by .87.





## USEFUL RULES

To convert *inches vacuum* into feet suction, multiply by 1.13.

To reduce pounds pressure to feet head, multiply by 2.3.

To reduce heads in feet to pressure in pounds, multiply by .434.

Friction of liquids in pipes increases as the square of the velocity.

Doubling the diameter of a pipe increases its capacity four times.

To find the area of a pipe, square the diameter and multiply by .7854.

A cubic foot of water weighs  $62\frac{1}{2}$  pounds and contains 1728 cubic inches or  $7\frac{1}{2}$  U. S. gallons.

Approximately, every foot elevation of a column of water produces a pressure of  $\frac{1}{2}$  pound per square inch (Actual .434).

A "miner's inch" of water is approximately equal to a supply of 12 gallons per minute. In California, 9 gallons.

The gallons per minute which a pipe will deliver equals .0408 times the square of the diameter, multiplied by the velocity in feet per minute.

To find the capacity of a pipe or cylinder in gallons, multiply the square of the diameter in inches by the length in inches and by .0034.

To find the capacity of a pipe or cylinder in cubic inches, multiply the square of the diameter in inches by the length in inches and by .7854.

The weight of water in any length pipe is obtained by multiplying the length in feet by the square of the diameter in inches, and by .34.

To find the discharge from any pipe in cubic feet per minute, square the diameter and multiply by the velocity in feet per minute and by .00545.

U. S. gallon of water weighs  $8\frac{1}{3}$  pounds and contains 231 cubic inches.

Imperial gallon weighs 10 pounds and contains 277 cubic inches.

To find the diameter of pipe in inches, divide the gallons per minute by the velocity in feet per minute, and multiply the square root of the quotient by 4.95.

To find the capacity of a given tank or cistern in U. S. gallons, square the diameter (in feet), and

multiply by .7854, multiply by the height in feet, and by 7.48.

To find the discharge in U. S. gallons per minute from any pipe, square the diameter in inches, multiply by the velocity in feet per second and by 2.448.

The discharge from a pipe in cubic feet per second is equal to the mean velocity in feet per second multiplied by the area of cross section or pipe in square feet.

Sharp angles or sudden bends in pipes cause increase in friction, consequently increase of power is necessary. Where change of direction is desired the same should be made by means of long easy curves or by using 45 degree ells.

### Conversion Factors

Feet Head  $\times .434$  = Lbs. Pressure Per Square Inch. Lbs. Pres.  $\times 2.31$  = Feet Head. Meters  $\times 3.28$  = Feet Head. U. S. Gallons  $\times .833$  = "Imperial" Gallons. Imperial Gallons  $\times 1.2$  = U. S. Gallons. Cubic Feet  $\times 7.48$  = U. S. Gallons.

### To Find the Capacity of a Cylinder in Gallons

Multiply the square of the diameter in inches by the length of the stroke in inches and by .0034.

To get the capacity per minute, multiply by the number of strokes.

For a Double Acting Pump, multiply by 2.

A cubic inch of water weighs .03617 lbs.

A cubic foot of water weighs . . . . . 62.46 lbs.— $62\frac{1}{2}$  lbs.

A gallon of water weighs . . . . . 8.355 lbs.—  $8\frac{1}{3}$  lbs.

A U. S. gallon of water contains . . . . . 231 cu. in.

An English gallon of water contains . . . . .  $277\frac{1}{4}$  cu. in.

A cubic foot of water contains . . . . . 1728 cu. in.

A cubic foot of water contains 7.4805 gals.— $7\frac{1}{2}$  gals.

A "miner's inch" of water approximately equals a supply of 12 U. S. gals. per minute.

The amount of water available for use from an automatically controlled Pressure Tank between the maximum pressure (cutting out point at 40 lbs.) and stopping of the motor and Pump, and the minimum pressure (cutting in point at 20 lbs.) starting of the motor and Pump, will be about one-fifth of the capacity of the Tank, regardless of its size, *provided* the Tank is supplied with the proper amount of air, which should be from 45 to 50% of the capacity of the Tank when at maximum pressure.





# MYERS SELF-OILING DEEP WELL POWER PUMPS

WITH SINGLE ACTING WORKING BARREL

With Tabulated List of Capacities and Horse Power Required to Operate Under Different Conditions  
5% Slippage of Water Through Valves Is Provided For

FOR WELLS 25 FEET OR MORE IN DEPTH TO LOW WATER LEVEL. Pressure Tank Located at the Pump

Style Pump	Max. Speed up Strokes min.	Drop Pipe in.	Diam. Cyl. in.	Gals. per min.	Can be Used in Well Pipe Diam. in.	H. P. Motor Required				
						1/8	1/2	3/4	1	
6" Stroke S-O Head 40 lb. Tank Pressure	50	2	1 13/16	3.00	3	55	130	240	350	Depth of Well, Feet
	50	2 1/2	2 1/4	4.75	3 1/2					
	50	1 1/4	*2 1/2	6.00	3					
	50	3	2 3/4	7.33	4 1/2					
	50	1 1/4	*3	8.75	3 1/2					
6" Stroke S-O Head Open Tank	50	2	1 13/16	3.00	3	120	195	300	415	Depth of Well or Total Ft. Head
	50	2 1/2	2 1/4	4.75	3 1/2					
	50	1 1/4	*2 1/2	6.00	3					
	50	3	2 3/4	7.33	4 1/2					
	50	1 1/4	*3	8.75	3 1/2					
9" Stroke S-O Head 50 lb. Tank Pressure	45	2	1 13/16	4.00	3	H. P. Motor Required				Depth of Well, Feet
	45	2 1/2	2 1/4	6.50	3 1/2	1	1 1/2	2	3	
	45	3	2 3/4	9.75	4 1/2	215	385	550	875	
	45	3 1/2	3 1/4	13.75	5	90	190	290	500	
	45	4	3 3/4	18.25	6		90	155	290	
9" Stroke S-O Head Open Tank	45	2	1 13/16	4.00	3	305	475	640	965	Depth of Well or Total Ft. Head
	45	2 1/2	2 1/4	6.50	3 1/2					
	45	3	2 3/4	9.75	4 1/2					
	45	3 1/2	3 1/4	13.75	5					
	45	4	3 3/4	18.25	6					
12" Stroke S-O Head 50 lb. Tank Pressure	40	2 1/2	2 1/4	7.75	3 1/2	H. P. Motor Required				Depth of Well, Feet
	40	3	2 3/4	11.50	4 1/2	1 1/2	2	3	5	
	40	3 1/2	3 1/4	16.25	5	140	225	400	740	
	40	4	3 3/4	21.50	6	55	115	230	465	
	40	5	4 3/4	34.75	7		50	130	295	
12" Stroke S-O Head Open Tank	40	2 1/2	2 1/4	7.75	3 1/2	230	315	490	830	Depth of Well or Total Ft. Head
	40	3	2 3/4	11.50	4 1/2					
	40	3 1/2	3 1/4	16.25	5					
	40	4	3 3/4	21.50	6					
	40	5	4 3/4	34.75	7					
18" Stroke S-O Head No. 664M Open Tank	28	4	3 3/4	22.75	6	H. P. Motor Required				Depth of Well or Total Ft. Head
	28	5	4 3/4	36.50	7	3	5	7 1/2	10	
	28	6	5 3/4	53.00	8	175	290	440	580	
24" Stroke S-O Head No. 671M Open Tank	22	4	3 3/4	24.00	6	H. P. Motor Required				Depth of Well or Total Ft. Head
	22	5	4 3/4	38.00	7	3	5	7 1/2	10	
	22	6	5 3/4	56.00	8	160	270	400	500	
						100	170	260	325	
						60	100	150	200	

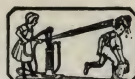
\* Indicates Flush Cap Cylinder. All others are Single Acting Working Barrels.

## FOR SHALLOW WELLS (24 FEET OR LESS)

No. Pump	Size in.	Gals. Per Hour	Tank Pressure	Or Feet Elev. to Open Tank	H. P. Motor	H. P. Gas Engine	Tank Pressure	Or Feet Elev. to Open Tank	H. P. Motor	H. P. Gas Engine
1906A, 1906AT & 1926	1 5/16x1 3/4	250	40 lbs.	90 feet	1/6					
1909A, 1909AT & 1925	1 1/2x1 3/4	300	40 lbs.	90 feet	1/4					
901A or 901AT	2 1/16x1 3/8	500	40 lbs.	90 feet	1/2					
902A or 902AT	2 1/16x2 1/16	750	40 lbs.	90 feet	3/4					
910A & 910AM	2 1/2x3	475	40 lbs.	90 feet	1 1/2	1	60 lbs.	140 ft.	3/4	1 1/2
912A & 912AM	2 1/2x3	475	40 lbs.	90 feet	1 1/2	1	60 lbs.	140 ft.	3/4	1 1/2
913A & 913AM	3x4	900	40 lbs.	90 feet	3/4	1 1/2	60 lbs.	140 ft.	1	1 1/2-2
914A & 914AM	4x5	1800	40 lbs.	90 feet	1 1/2	2 1/2	60 lbs.	140 ft.	2	3
915A & 915AM	5x5	2700	40 lbs.	90 feet	2	3	60 lbs.	140 ft.	4	6
916A & 916AM	6x6	4000	40 lbs.	90 feet	3	5	60 lbs.	140 ft.	5	7
618A & 618AM	8x8	8000	40 lbs.	90 feet	6	9	60 lbs.	140 ft.	10	15

The water available for use from a Pressure Tank when supplied with proper amount of air which should be from 45 to 50% of the Tank at Max. lbs. Pressure, it will discharge about one-fifth of the capacity of the Tank before the pressure falls to the Min. and the Pump starts automatically.





# MYERS SELF-OILING PUMPS AND WORKING HEADS

WITH DOUBLE ACTING WORKING BARREL, FIG. 3102

With Tabulated List of Capacities and Horse Power Required to Operate Under Different Conditions

5% Slippage of Water Through Valves Is Provided For

FOR WELLS 25 FEET OR MORE IN DEPTH TO LOW WATER LEVEL. Pressure Tank Located at the Pump

Style Pump	Max. Speed Up Strokes Min.	Drop Pipe In.	Diam. Cyl. In.	Gals. Per Min.	Can be Used in Well Pipe Diam. In.	Max. H. P. Motor Required																																				
						1/8	1/2	3/4	1																																	
6" Stroke S-O Head 40 lb. Tank Pressure	50	2	1 13/16	5.00	3	25	80	170	250	{ Depth of Well, Feet																																
	50	2 1/2	2 1/4	8.00	3 1/2						75	125																														
	50	3	2 3/4	12.00	4 1/2								50																													
6" Stroke S-O Head Open Tank	50	2	1 13/16	5.00	3	90	145	235	315	{ Depth of Well or Total Ft. Head																																
	50	2 1/2	2 1/4	8.00	3 1/2						45	75		140	190																											
	50	3	2 3/4	12.00	4 1/2								45			85	115																									
9" Stroke S-O Head 50 lb. Tank Pressure	45	2	1 13/16	7.00	3	Max. H. P. Motor Required				{ Depth of Well, Feet																																
						1	1 1/2	2	3																																	
						135	250	375	600																																	
						50	125	200	375																																	
							45	100	200																																	
								55	100																																	
9" Stroke S-O Head Open Tank	45	2	1 13/16	7.00	3	225	340	465	690	{ Depth of Well or Total Ft. Head																																
											2 1/2	2 1/4	10.50	3 1/2	140	215	290	465																								
																			3	2 3/4	16.00	4 1/2	105	135	190	290																
																											3 1/2	3 1/4	23.00	5	75	110	145	190								
																																			4	3 3/4	30.00	6		85	115	145
Max. H. P. Motor Required																																										
1 1/2	2	3	5																																							
100	175	300	600																																							
	65	150	340																																							
		75	200																																							
		30	125																																							
12" Stroke S-O Head 50 lb. Tank Pressure	40	2 1/2	2 1/4	12.00	3 1/2	190	265	390	690	{ Depth of Well or Total Ft. Head																																
											3	2 3/4	19.00	4 1/2	135	155	240	430																								
																			3 1/2	3 1/4	27.00	5	95	130	165	290																
																											4	3 3/4	36.00	6	70	95	120	215								
																																			5	4 3/4	58.00	7	40	60	85	150
Max. H. P. Motor Required																																										
3	5	7 1/2	10																																							
130	220	340	450																																							
80	140	210	275																																							
	95	140	190																																							
18" Stroke S-O Head No. 664M Open Tank	28	4	3 3/4	38.00	6	Max. H. P. Motor Required				{ Depth of Well or Total Ft. Head																																
						5	4 3/4	61.00	7		130	220	340	450																												
															6	5 3/4	91.00	8	80	140	210	275																				
Max. H. P. Motor Required																																										
3	5	7 1/2	10																																							
24" Stroke S-O Head No. 671M Open Tank	22	4	3 3/4	40.00	6	125	200	315	425	{ Depth of Well or Total Ft. Head																																
											5	4 3/4	64.00	7	85	125	190	260																								
																			6	5 3/4	95.00	8	50	90	130	175																

ALL WORKING PARTS CAN BE WITHDRAWN WITHOUT DISTURBING THE DROP PIPE

A Double Acting Working Barrel equalizes its own load and should be used in connection with a Power Head equipped with regular piston rod and stuffing box in preference to one fitted with a plunger tube or differential piston.





# TABLE SHOWING AMOUNT OF WATER DISCHARGED PER STROKE BY A PUMP

The Diameter of Cylinder and Length of Stroke Being Known

## PLATE 8

Diameter of Pump Cylinder in inches	LENGTH OF STROKE IN INCHES WITH CAPACITY PER STROKE IN U. S. GALLONS													Area of Circle (Pump Cylinder) In Square Inches
	To find English Gallons deduct 1/6; to find liters, multiply by 3.75													
	1	2	3	4	5	6	7	8	9	10	12	18	24	
1	.0034	.0068	.0102	.0136	.0170	.0204	.0238	.0272	.0306	.0340	.0408	.062	.082	.7854
1 1/4	.0053	.0106	.0159	.0212	.0266	.0319	.0372	.0425	.0477	.0531	.0637	.096	.127	1.2271
1 1/2	.0076	.0153	.0229	.0306	.0382	.0459	.0535	.0612	.0688	.0765	.0918	.138	.184	1.7671
1 3/4	.0104	.0208	.0312	.0416	.0521	.0625	.0729	.0833	.0937	.1041	.1249	.188	.25	2.4043
2	.0136	.0272	.0408	.0544	.0680	.0816	.0952	.1088	.1224	.1360	.1632	.244	.326	3.1416
2 1/4	.0172	.0344	.0516	.0688	.0860	.1033	.1205	.1377	.1549	.1721	.2071	.310	.413	3.9760
2 1/2	.0212	.0425	.0637	.0850	.1062	.1275	.1487	.1700	.1912	.2125	.2550	.384	.51	4.9087
2 3/4	.0257	.0514	.0771	.1028	.1285	.1543	.1800	.2057	.2314	.2571	.3085	.462	.617	5.9395
3	.0306	.0612	.0918	.1224	.1530	.1836	.2142	.2448	.2754	.3060	.3672	.550	.734	7.0686
3 1/4	.0359	.0719	.1078	.1438	.1795	.2156	.2515	.2875	.3232	.3594	.4313	.648	.862	8.2957
3 1/2	.0416	.0833	.1249	.1666	.2082	.2499	.2915	.3332	.3748	.4165	.4998	.750	1.000	9.6211
3 3/4	.0479	.0957	.1435	.1914	.2393	.2871	.3350	.3828	.4302	.4785	.5743	.858	1.147	11.044
4	.0544	.1088	.1632	.2176	.2720	.3264	.3808	.4352	.4896	.5440	.6528	.98	1.306	12.566
4 1/4	.0612	.123	.184	.246	.307	.368	.430	.491	.553	.614	.737	1.106	1.473	14.186
4 1/2	.0688	.1377	.2065	.2754	.3442	.4131	.4819	.5508	.6196	.6885	.8262	1.24	1.652	15.904
4 3/4	.0767	.1534	.2301	.3068	.3835	.4602	.5369	.6137	.6904	.7671	.9205	1.38	1.84	17.720
5	.0850	.1700	.2550	.3400	.4250	.5100	.5950	.6800	.7650	.8500	1.0200	1.530	2.04	19.635
5 1/4	.0937	.187	.281	.375	.467	.562	.656	.75	.842	.937	1.124	1.684	2.248	21.648
5 1/2	.1028	.2057	.3085	.4114	.5142	.6171	.7199	.8228	.9256	1.0285	1.2342	1.852	2.468	23.758
5 3/4	.1124	.2248	.3372	.4496	.5620	.6744	.7868	.8992	1.0116	1.1240	1.3488	2.024	2.696	25.967
6	.1224	.2448	.3672	.4896	.6120	.7344	.8568	.9792	1.1016	1.2240	1.4688	2.264	2.938	28.274
7	.1666	.3332	.4998	.6664	.8330	.9996	1.1662	1.3328	1.4994	1.6660	1.9992			38.484
8	.2176	.4352	.6528	.8704	1.0880	1.3056	1.5232	1.7408	1.9584	2.1760	2.6112			50.265
9	.2754	.5508	.8262	1.1016	1.3770	1.6524	1.9278	2.2032	2.4786	2.7540	3.3048			63.617
10	.3400	.6800	1.0200	1.3600	1.7000	2.0400	2.3800	2.7200	3.0600	3.4000	4.0800			78.540

To obtain the capacity of a pump with diameter of cylinder given in the table, but with a longer stroke than 12 inches (the longest stroke given in table), add or multiply the capacity to represent the required length of stroke.

For instance: The capacity of a cylinder with an 18 inch stroke would be the same as that (having the same diameter) of a 12 inch stroke cylinder, added to the capacity of a 6 inch stroke cylinder; or the same result may be obtained by multiplying the capacity of a cylinder with 6 inch stroke by 3.

To obtain the amount of water discharged per minute, multiply the capacity per stroke by the number of strokes per minute.





# FRICITION OF WATER IN PIPES

## PLATE 9

Loss of Head in FEET Due to Friction, per 100 Feet of 15 year old Ordinary Iron Pipe

Gal. per Min.	½" Pipe		¾" Pipe		1" Pipe		1¼" Pipe		1½" Pipe		2" Pipe		2½" Pipe		3" Pipe	
	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.
1	1.05	2.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	2.10	7.4	1.20	1.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	3.16	15.8	1.80	4.1	1.12	1.26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	4.21	27.0	2.41	7.0	1.49	2.14	0.86	0.57	0.63	0.26	.....	.....	.....	.....	.....	.....
5	5.26	41.0	3.01	10.5	1.86	3.25	1.07	0.84	0.79	0.39	.....	.....	.....	.....	.....	.....
10	10.52	147.0	6.02	38.0	3.72	11.70	2.14	3.05	1.57	1.43	1.02	0.50	0.65	0.17	0.45	0.07
15	.....	.....	9.02	80.0	5.60	25.00	3.20	6.50	2.36	3.00	1.53	1.00	0.98	0.36	0.68	0.15
20	.....	.....	12.03	136.0	7.44	42.00	4.29	11.10	3.15	5.20	2.04	1.82	1.31	0.61	0.91	0.25
25	.....	.....	.....	.....	9.30	64.00	5.36	16.60	3.94	7.80	2.55	2.73	1.63	0.92	1.13	0.38
30	.....	.....	.....	.....	11.15	89.00	6.43	23.50	4.72	11.00	3.06	3.84	1.96	1.29	1.36	0.54
35	.....	.....	.....	.....	13.02	119.00	7.51	31.20	5.51	14.70	3.57	5.10	2.29	1.72	1.59	0.71
40	.....	.....	.....	.....	14.88	152.00	8.58	40.00	6.30	18.80	4.08	6.60	2.61	2.20	1.82	0.91
45	.....	.....	.....	.....	.....	.....	9.65	50.00	7.08	23.20	4.60	8.20	2.94	2.80	2.05	1.15
50	.....	.....	.....	.....	.....	.....	10.72	60.00	7.87	28.40	5.11	9.90	3.27	3.32	2.27	1.38
70	.....	.....	.....	.....	.....	.....	.....	.....	11.02	53.00	7.15	18.40	4.58	6.20	3.18	2.57
90	.....	.....	.....	.....	.....	.....	.....	.....	14.17	84.00	9.19	29.40	5.88	9.80	4.09	4.08
100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10.21	35.80	6.54	12.00	4.54	4.96
120	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.25	50.00	7.84	16.80	5.45	7.00
140	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.30	67.00	9.15	22.30	6.35	9.20
160	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.34	86.00	10.46	29.00	7.26	11.80
180	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11.76	35.70	8.17	14.80
200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13.07	43.10	9.08	17.80
220	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.38	52.00	9.99	21.30
240	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15.69	61.00	10.89	25.10
260	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.99	70.00	11.80	29.10
280	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18.30	81.00	12.71	33.40
300	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19.61	92.00	13.62	38.00

Gal. per Min.	4" Pipe		5" Pipe		6" Pipe		8" Pipe		10" Pipe		12" Pipe		14" Pipe		15" Pipe	
	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.	Vel.	Fric.
40	1.02	0.22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	1.17	0.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
50	1.28	0.34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70	1.79	0.63	1.14	0.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
75	1.92	0.73	1.22	0.24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
100	2.55	1.23	1.63	0.39	1.14	0.14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	3.06	1.71	1.96	0.57	1.42	0.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
125	3.19	1.86	2.04	0.64	1.48	0.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	3.84	2.55	2.45	0.88	1.71	0.32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
175	4.45	3.36	2.86	1.18	2.00	0.48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
200	5.11	4.37	3.27	1.48	2.28	0.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
225	6.32	6.61	3.67	1.86	2.57	0.74	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
250	6.40	6.72	4.08	2.24	2.80	0.92	1.60	0.22	.....	.....	.....	.....	.....	.....	.....	.....
275	7.03	7.99	4.50	2.72	3.06	1.15	1.73	0.27	.....	.....	.....	.....	.....	.....	.....	.....
300	7.66	9.38	4.90	3.15	3.40	1.29	1.90	0.36	.....	.....	.....	.....	.....	.....	.....	.....
350	8.90	12.32	5.72	4.19	3.98	1.69	2.20	0.41	.....	.....	.....	.....	.....	.....	.....	.....
400	10.20	15.82	6.54	5.33	4.54	2.21	2.60	0.56	.....	.....	.....	.....	.....	.....	.....	.....
450	11.50	19.74	7.35	6.65	5.12	2.74	2.92	0.64	1.80	0.21	.....	.....	.....	.....	.....	.....
475	12.30	22.96	7.88	7.22	5.55	3.21	3.10	0.79	1.94	0.25	.....	.....	.....	.....	.....	.....
500	12.77	24.08	8.17	8.12	5.60	3.26	3.20	0.81	2.04	0.28	1.42	0.11	.....	.....	.....	.....
550	.....	.....	8.99	9.66	6.16	3.93	3.52	0.98	2.25	0.33	1.57	0.14	.....	.....	.....	.....
600	.....	.....	9.80	11.34	6.72	4.70	3.84	1.16	2.46	0.39	1.71	0.15	.....	.....	.....	.....
650	.....	.....	10.62	13.16	7.28	5.50	4.16	1.34	2.66	0.46	1.85	0.19	1.37	0.09	.....	.....
700	.....	.....	11.44	15.12	7.84	6.38	4.46	1.54	2.86	0.52	2.00	0.22	1.47	0.10	.....	.....
750	.....	.....	12.26	17.22	8.50	7.00	4.80	1.74	3.06	0.59	2.13	0.24	1.58	0.11	.....	.....
800	.....	.....	.....	.....	9.08	7.90	5.12	1.97	3.28	0.67	2.27	0.27	1.68	0.13	.....	.....
850	.....	.....	.....	.....	9.58	8.75	5.48	2.28	3.48	0.75	2.41	0.31	1.79	0.14	.....	.....
900	.....	.....	.....	.....	10.30	10.11	5.75	2.46	3.68	0.83	2.56	0.34	1.89	0.16	.....	.....
950	.....	.....	.....	.....	10.72	10.71	6.06	2.87	3.88	0.91	2.70	0.35	2.00	0.16	1.73	0.12
1000	.....	.....	.....	.....	11.32	12.04	6.40	3.02	4.08	1.01	2.84	0.41	2.10	0.19	1.82	0.14
1100	.....	.....	.....	.....	12.50	14.31	7.03	3.51	4.50	1.20	3.13	0.49	2.31	0.23	2.00	0.16
1200	.....	.....	.....	.....	13.52	16.69	7.67	4.26	4.91	1.46	3.41	0.57	2.52	0.26	2.18	0.19
1500	.....	.....	.....	.....	.....	.....	9.60	6.27	6.10	2.09	4.20	0.85	3.15	0.39	2.73	0.28
2000	.....	.....	.....	.....	.....	.....	12.70	10.71	8.10	3.50	5.60	1.43	4.20	0.66	3.64	0.47

In figuring Vertical Suction Depth on Shallow Well Pumps with long horizontal Suction Pipe, the loss by friction in water passing through this long Pipe must be deducted from the maximum suction limit of the Pump as under ordinary conditions.

Vel.—Velocity feet per second. Fric.—Friction head in feet.

## Friction of Water in 90° Elbows or Tees

Size of Elbow, Inches	½	¾	1	1¼ to 2	2½	3	4	5	6	8	10	12	14	15
Equivalent Number of Feet Straight Pipe	5	6	6	8	11	15	16	18	18	24	30	40	54	55

For Globe Valves add 50% to above.





# BAROMETRIC PRESSURES AT DIFFERENT ALTITUDES

## PLATE 10

With Equivalent Head of Water and the Vertical Suction Lift of Pumps

Altitude	Barometric Pressure	Equivalent Head of Water	Practical Suction Lift of Pump	
			Vertical Cylinder	Horizontal Cylinder
Sea Level .....	14.70 lbs. per sq. in.	33.95 ft.	25 ft.	22 ft.
$\frac{1}{4}$ mile (1320 ft.) above sea level .....	14.02 lbs. per sq. in.	32.38 ft.	24 ft.	21 ft.
$\frac{1}{2}$ mile (2640 ft.) above sea level .....	13.33 lbs. per sq. in.	30.79 ft.	23 ft.	20 ft.
$\frac{3}{4}$ mile (3960 ft.) above sea level .....	12.66 lbs. per sq. in.	29.24 ft.	21 ft.	18 ft.
1 mile (5280 ft.) above sea level .....	12.02 lbs. per sq. in.	27.76 ft.	20 ft.	17 ft.
$1\frac{1}{4}$ miles (6600 ft.) above sea level .....	11.42 lbs. per sq. in.	26.38 ft.	19 ft.	16 ft.
$1\frac{1}{2}$ miles (7920 ft.) above sea level .....	10.88 lbs. per sq. in.	25.13 ft.	18 ft.	15 ft.
2 miles (10560 ft.) above sea level .....	9.88 lbs. per sq. in.	22.82 ft.	17 ft.	14 ft.

Practical Suction Lift is Equal to the Vertical distance less the Friction Head and other losses if any

## PLATE 11

Comparative Equivalent of Liquid Measures and Weights

Measures and Weights for Comparison	MEASURE AND WEIGHT EQUIVALENTS OF ITEMS IN FIRST COLUMN								
	U. S. Gallon	Imperial Gallon	Cubic Inch	Cubic Foot	Cubic Metre	Litre	Vedro	Pood	Pound
U. S. Gallon .....	1.	.833	231.	.1337	.00378	3.785	.308	.231	8.33
Imperial Gallon .....	1.20	1.	277.27	.1604	.00454	4.542	.369	.277	10.
Cubic Inch .....	.0043	.00358	1.	.00057	.000016	.0163	.00132	.001	.0358
Cubic Foot .....	7.48	6.235	1728.	1.	.02827	28.312	2.304	1.728	62.355
Cubic Metre .....	264.17	220.05	61023.	35.319	1.	1000.	81.364	61.023	2200.54
Litre .....	.26417	.2200	61.023	.0353	.001	1.	.08136	.06102	2.2005
Vedro .....	3.249	2.706	750.1	.4344	.01228	12.29	1.	.7501	27.06
Pood .....	4.328	3.607	1000.	.578	.01636	16.381	1.333	1.	36.07
Pound .....	.12	.1	27.72	.016	.00045	.454	.0369	.0277	1.

## PLATE 12

### Metric Liquid Measures

Milliliter (1/1000 liter) equals 0.0388 fluid ounce.  
Centiliter (1/100 liter) equals 0.338 fluid ounce.  
Deciliter (1/10 liter) equals 0.845 gill.  
Liter equals 1.0567 quarts.

Decaliter (10 liters) equals 2.6418 gallons.  
Hectoliter (100 liters) equals 26.417 gallons.  
Kiloliter (1,000 liters) equals 264.18 gallons.

### Metric Measures of Length

Millimeter (1/1000 meter) equals 0.0394 inch.  
Centimeter (1/100 meter) equals 0.3937 inch.  
Decimeter (1/10 meter) equals 3.937 inches.  
Meter equals 39.37 inches.  
Decameter (10 meters) equals 393.7 inches.

Hectometer (100 meters) equals 328 feet, 1 inch.  
Kilometer (1,000 meters) equals 0.62137 mile.  
(3,280 feet, 10 inches).  
Myriameter (10,000 meters) equals 6.2137 miles.

## PLATE 13

Number Gallons in Cistern and Tanks

Depth in Feet	DIAMETER IN FEET											
	5	6	7	8	9	10	11	12	13	14	15	16
5	725	1,060	1,440	1,875	2,380	2,925	3,550	4,237	4,960	5,765	6,698	7,520
6	870	1,270	1,728	2,250	2,855	3,510	4,260	5,084	5,952	6,918	8,038	9,024
7	1,015	1,480	2,016	2,625	3,330	4,112	4,970	5,931	6,944	8,071	9,378	10,528
8	1,160	1,690	2,304	3,000	3,805	4,680	5,680	6,778	7,936	9,224	10,718	12,032
9	1,305	1,900	2,592	3,375	4,280	5,265	6,380	7,625	8,928	10,377	12,058	13,536
10	1,450	2,110	2,880	3,750	4,755	5,850	7,100	8,472	9,920	11,530	13,398	15,040

## PLATE 14

Capacity of Steel Tanks

Diam. Inches	Gals. per ft. Length	Diam. Inches	Gals. per ft. Length	Diam. Inches	Gals. per ft. Length	Diam. Inches	Gals. per ft. Length	Diam. Inches	Gals. per ft. Length	Diam. Inches	Gals. per ft. Length
12	5.87	17	11.79	22	19.75	27	29.74	32	41.78	37	55.86
13	6.89	18	13.22	23	21.58	28	31.99	33	44.43	38	58.92
14	8.00	19	14.73	24	23.50	29	34.31	34	47.16	39	62.06
15	9.18	20	16.32	25	25.50	30	36.72	35	49.98	40	65.28
16	10.44	21	17.99	26	27.58	31	39.21	36	52.88		





## Weight of Water Contained in One Foot Length of Pipe of Different Sizes

### PLATE 15

Size	Pounds	Size	Pounds	Size	Pounds
$\frac{1}{2}$	.086	2	1.372	4	5.488
1	.343	$2\frac{1}{2}$	2.159	$4\frac{1}{2}$	6.966
$1\frac{1}{4}$	.537	3	3.087	5	8.575
$1\frac{1}{2}$	.774	$3\frac{1}{2}$	4.214	6	12.348

Multiply by number of feet high or head

## PLATE 16

### PRESSURE OF WATER PER SQUARE INCH AND FEET HEAD

Feet Head of Water and Equivalent Pressure						Lbs., Pressure and Equivalent Ft. Head of Water					
Feet Head	Lbs. per Sq. Inch	Feet Head	Lbs. per Sq. Inch	Feet Head	Lbs. per Sq. Inch	Lbs. per Sq. Inch	Feet Head	Lbs. per Sq. Inch	Feet Head	Lbs. per Sq. Inch	Feet Head
1	.43	60	25.99	200	86.62	1	2.31	40	92.36	170	392.52
5	2.17	100	43.31	300	129.93	5	11.54	80	184.72	225	519.51
10	4.33	150	64.96	600	259.85	10	23.09	125	288.62	350	808.13
20	8.66	160	69.29	700	303.16	15	34.63	130	300.16	375	865.89
30	12.99	170	73.63	800	346.47	20	46.18	140	323.25	400	922.58
40	17.32	180	77.96	900	389.78	25	57.72	150	346.34	500	1154.48
50	21.65	190	82.29	1000	433.09	30	69.27	160	369.43	1000	2308.00

### CAPACITIES OF WATER PIPING IN BUILDING—LENGTH 100 FT.

## PLATE 17

### GALS. PER MIN.

Size Pipe	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4
Pressure									
17 lbs.	3.2	9.1	18.7	33.5	51.6	106	200	290	589
30 lbs.	5	14	28	52	78	160	308	436	885
40 lbs.	6	16	33	60	90	184	350	504	1023
50 lbs.	6.5	17.5	37	70	101	206	390	564	1143
60 lbs.	7	19.5	40	76	110	226	430	617	1252
75 lbs.	7.5	22	45	85	123	253	480	690	1400
100 lbs.	9	25	52	99	142	292	558	797	1607

## PLATE 18

### FLOW OF WATER PER MINUTE, DIFFERENT FIXTURES

Bath .....	10 Gallons per Minute
Lavatory .....	5 Gallons per Minute
Tank Closets .....	5 Gallons per Minute
Valve Closets .....	30 Gallons per Minute
Shower .....	5 Gallons per Minute
Sink .....	10 Gallons per Minute
Laundry Tub .....	10 Gallons per Minute
Garden Hose (Sprinkling Nozzle $\frac{3}{4}$ " ) .....	5 Gallons per Minute
Continuous Drinking Fountain .....	$1\frac{1}{2}$ Gallons per Minute

### IMPORTANT POINTS TO BE CONSIDERED IN SELECTING A PUMPING EQUIPMENT

One of the first and most important considerations is the amount of water needed. The following table gives the average quantities of water per day required for the different services demanded of a water supply system.

Each member of the family for all purposes, including kitchen, bath, water closet, laundry, etc. ....	will require 25 gals.
Each horse .....	will require 10 gals.
Each Steer or Dry Cow .....	will require 12 gals.
Each Cow producing milk .....	will require 25 to 30 gals.
Each hog .....	will require 2 gals.
Each sheep .....	will require $1\frac{1}{2}$ gals.

If the water is to be used in the house only, and there is a family of six, 150 gallons for one day.

If water is to be used in the house and barn, and there is a family of six, and eight horses, twelve cows, twenty hogs and ten sheep to be provided for, 600 gallons for one day.

Overhead Irrigation requires 60 gallons of water per minute per acre. System operated in sections. Pipe lines usually spaced 50 feet apart, discharge 7 gallons per minute for each 100 feet of line, covers 100 x 50 feet.

This system delivers one inch of rainfall in nine hours with water supplied at 30 lbs. pressure on sprinkling line.





# WHAT SIZE WORKING BARREL TO USE IN DRILLED WELL

## PLATE 19

TABLE STANDARD DIMENSIONS OF PIPE AND CASING

Merchant Steel Pipe					Light Wrought Iron Water Well Casing				
Nominal Inside Diam. Inches	Actual Outside Diam.	Threads per in.	Nominal O. D. Couplings	Can be used in Pipe Diam. In.	Nominal Inside Diam. Inches	Actual Outside Diam.	Threads per in.	Nominal O. D. Couplings	Can be used in Casing Diam. In.
1	1.315	11½	1.625	2	2	2¼	14	2.69	3
1¼	1.66	11½	1.937	2½	2¼	2½	14	2.88	3¼
1½	1.9	11½	2.125	2½	2½	2¾	14	3.19	3½
2	2.375	8	2.750	3	2¾	3	14	3.50	3¾
2½	2.875	8	3.250	3½	3	3¼	14	3.78	4¼
3	3.5	8	3.812	4½	3¼	3½	14	4.00	4¼
3½	4.	8	4.375	5	3½	3¾	14	4.25	4½
4	4.5	8	4.937	6	3¾	4	14	4.63	5
					4	4¼	14	4.69	5½
5	5.563	8	6.031	7	4¼	4½	14	4.94	5½
6	6.625	8	7.406	8	4½	4¾	14	5.22	5½
					4¾	5	14	5.56	6¼
8	8.625	8	9.187	10	5	5¼	14	5.78	6¼
					5¼	5½	14	6.06	6½
10	10.75	8	11.68	12	5½	6	14	6.63	7¼
					6¼	6½	14	7.13	7½
12	12.75	8	13.87	16	6½	7	14	7.69	8¼
.....	.....	.....	.....	.....	7¼	7½	14	8.22	8½
.....	.....	.....	.....	.....	7½	8	11½	8.63	9½
.....	.....	.....	.....	.....	8¼	8½	11½	9.31	9½
.....	.....	.....	.....	.....	8½	9	11½	9.75	.....
.....	.....	.....	.....	.....	9½	10	11½	10.81	.....

In selecting Working Barrels to be used in Wells, consideration must be given to the straightness of well pipe or casing. Better to be safe by selecting a smaller size than sorry after you get fast or "hung up."

## PLATE 20 Theoretical Discharge of Nozzles in U. S. Gallons Per Minute

HEAD		Velocity of Discharge Feet per Sec.	DIAMETER OF NOZZLE IN INCHES								
Pounds	Feet		1/16	1/8	3/16	1/4	5/16	1/2	5/8	3/4	7/8
10	23.1	38.6	0.37	1.48	3.32	5.91	13.3	23.6	36.9	53.1	72.4
15	34.6	47.25	0.45	1.81	4.06	7.24	16.3	28.9	45.2	65.0	88.5
20	46.2	54.55	0.52	2.09	4.69	8.35	18.8	33.4	52.2	75.1	102.
25	57.7	61.0	0.58	2.34	5.25	9.34	21.0	37.3	58.3	84.0	114.
30	69.3	66.85	0.64	2.56	5.75	10.2	23.0	40.9	63.9	92.0	125.
35	80.8	72.2	0.69	2.77	6.21	11.1	24.8	44.2	69.0	99.5	135.
40	92.4	77.2	0.74	2.96	6.64	11.8	26.6	47.3	73.8	106.	145.
45	103.9	81.8	0.78	3.13	7.03	12.5	28.2	50.1	78.2	113.	153.
50	115.5	86.25	0.83	3.30	7.41	13.2	29.7	52.8	82.5	119.	162.
55	127.0	90.4	0.87	3.46	7.77	13.8	31.1	55.3	86.4	125.	169.
60	138.6	94.5	0.90	3.62	8.12	14.5	32.5	57.8	90.4	130.	177.
65	150.1	98.3	0.94	3.77	8.45	15.1	33.8	60.2	94.0	136.	184.
70	161.7	102.1	0.98	3.91	8.78	15.7	35.2	62.5	97.7	141.	191.
75	173.2	105.7	1.01	4.05	9.08	16.2	36.4	64.7	101.	146.	198.
80	184.8	109.1	1.05	4.18	9.39	16.7	37.6	66.8	104.	150.	205.
85	196.3	112.5	1.08	4.31	9.67	17.3	38.8	68.9	108.	155.	211.
90	207.9	115.8	1.11	4.43	9.95	17.7	39.9	70.8	111.	160.	217.
95	219.4	119.0	1.14	4.56	10.2	18.2	41.0	72.8	114.	164.	223.
100	230.9	122.0	1.17	4.67	10.5	18.7	42.1	74.7	117.	168.	229.
105	242.4	125.0	1.20	4.79	10.8	19.2	43.1	76.5	120.	172.	234.
110	254.0	128.0	1.23	4.90	11.0	19.6	44.1	78.4	122.	176.	240.
115	265.5	130.9	1.25	5.01	11.2	20.0	45.1	80.1	125.	180.	245.
120	277.1	133.7	1.28	5.12	11.5	20.5	46.0	81.8	128.	184.	251.
125	288.6	136.4	1.31	5.22	11.7	20.9	47.0	83.5	130.	188.	256.
130	300.2	139.1	1.33	5.33	12.0	21.3	48.0	85.2	133.	192.	261.
135	311.7	141.8	1.36	5.43	12.2	21.7	48.9	86.7	136.	195.	266.
140	323.3	144.3	1.38	5.53	12.4	22.1	49.8	88.4	138.	199.	271.
145	334.8	146.9	1.41	5.62	12.6	22.5	50.6	89.9	140.	202.	275.
150	346.4	149.5	1.43	5.72	12.9	22.9	51.5	91.5	143.	206.	280.
175	404.1	161.4	1.55	6.18	13.9	24.7	55.6	98.8	154.	222.	302.
200	461.9	172.6	1.65	6.61	14.8	26.4	59.5	106.	165.	238.	323.





# INSTALLING HAND PUMPS IN SHALLOW WELLS

## 25 Feet or Less in Depth

Be Sure Frost Vent Hole Above Top of Cylinder Is Open As This Prevents Freezing

**M**EASURE the Well accurately from top of platform to bottom of well. Cut the Suction Pipe 4'6" shorter than depth of well. (This difference is accounted for by the Set Length of Pumps). Pipe must not rest on bottom of well. Attach Strainer to one end of Pipe. Remove the lower cap from Pump Cylinder and screw it on other end of Pipe, being careful to lead all joints thoroughly and screw them tight. Place the pipe in well with Strainer at bottom. Hold the well pipe by using pipe wrench attached just below Valve Cap. Set pump on end and attach Cylinder to Valve Cap, screwing tight. Remove wrench and lower pump until base rests on platform. Fasten with heavy screws.

## Installation of Deep Well Hand Pumps

### Double Acting or Single Acting

Be Sure That Frost Vent Hole About Three Feet Below Base is Open

Measure the Well accurately from top of platform to bottom of well. Cut the Pipe 7 feet shorter on a Double Acting Pump and 8 feet shorter on a Three Way Pump, than depth of well. This difference is accounted for by Set Length and Cylinder of Pump. (The Pipe must not rest on bottom of well). Using random lengths of Pipe, cut each length of Rod, except the one next to Pump, same length as pipe in which it is to be used, so that joints of Pipe and Rod come near together.

Attach Strainer to lower end of Cylinder by means of short Pipe Nipple. Place piece of Rod inside of Pipe—attach Rod to Rod Coupling on Cylinder Plunger—screw tight—then screw Pipe into top of Cylinder, being careful to thoroughly lead (paint) the pipe joints and screw tight. Lower the Cylinder and Pipe into the Well, leaving the upper end with Pipe Couplings attached extend a few inches above platform. Hold or support this Pipe by attaching pipe wrench just below coupling. Take second length of pipe, place rod inside, end them up and attach

rod to coupling on well rod already in—screw tight, then couple up this length of Pipe and screw tight—lead the Pipe Joints. Continue this until last piece of pipe is in place, always holding pipe or rod already in place and turning the pipe or rod you are attaching, as otherwise you may unscrew or loosen a joint that you have already tightened.

The last piece of rod must be cut 1" shorter than pipe, as this is provided for in the Pump.

*Attaching the Pump.* Disconnect the Pump Rod from Handle or Flat Windmill Bar, hold the Pump immediately above the well pipe and connect rods, then screw the pump to pipe and lower into well until base rests on platform. Secure with heavy Wood Screws and attach Handle.

## Pump Stands

In installing Pump Standards the same procedure is followed as in Double Acting Pumps, except that there being no Set Length, the pipe is cut 18" shorter than the depth of well. (Pipe must not rest on bottom of well). Except as follows: The last piece of Rod must be cut to suit the stroke of Stand you are installing.

*Attaching the Stand.* Myers Stand. Lower Well Pipe allowing it to extend above Platform 3 feet. Dismantle the Stand by removing the two Cap Screws under the Handle and loosen the Nut on through Bolt at top of Air Chamber; remove Pin in Windmill Bar; remove Head and Handle. Place the base of Stand over Well Pipe. (Do not remove Piston Rod from Packing Box). Hold the Air Chamber and Piston Rod above Well Pipe, connect Rod, and screw Spout Head to Well Pipe. Drop pipe down until Spout Head rests on Stand. Replace Head with Handle.

*Defiance Simplex or Economy Stands.* Secure Well Pipe so that the Pipe extends about 20" above Platform. Remove Packing and Piston Rod and attach Pump Piston Rod to Well Rod; then place Stand over top of Piston Rod and screw tight to Well Pipe; then replace Packing and attach Handle. Last piece of Rod must be cut to suit stroke of pump.

## Size Cylinders Adapted to Certain Wells

6	inch cylinder for wells	20 feet or less
5	" " " "	25 feet or less
4	" " " "	35 feet or less
3½	" " " "	25 to 50 feet

3	inch cylinder for wells	25 to 75 feet
2½	" " " "	25 to 150 feet
2¼	" " " "	25 to 175 feet
2	" " " "	25 to 200 feet





## HAND PUMPS — CONTINUED

FOR the benefit of our customers we offer the following suggestions applicable to pumps.

### SUCTION

Suction is limited to the Pump's ability to exhaust the air from the Suction Pipe, which depends on the elevation above sea level. For practical purposes at or near sea level, the perpendicular height should not exceed 25 feet; at 5,000 feet elevation, not to exceed 20 feet and at 10,000 feet elevation, not to exceed 17 feet. See Table of Barometric Pressure at different elevations.

The above is for Vertical Cylinder Pumps. On Horizontal Pumps the vertical suction should be at least 15% less.

Horizontal Suction line in length is practical up to 500 feet, providing you have a gradual slope from the Pump to source of supply (just enough to drain the Pipe). This prevents Air Pockets forming and is absolutely necessary in a suction line.

On long suction lines the Pump *must be driven at a slower speed*, and should have a Vacuum Chamber at the Pump to assist the Suction and prevent pounding. A Foot valve should be used at the supply end of a Horizontal Suction Line.

Hot water must flow to the Pump, as the air it contains interferes with the suction.

**SUCTION LIFT** means the vertical distance from the level of the water supply to the cylinder.

**DISCHARGE HEAD** means the vertical distance from the cylinder to the center of the discharge outlet where the water is delivered.

**TOTAL HEAD** means the sum of the suction lift, discharge head, and all friction loss in both suction and discharge pipes.

In setting a pump, always be careful to have all joints well leaded and tight. Use a pipe wrench, you cannot do it by hand.

### Anti-Freezing

The question is often asked, "What is meant by *anti-freezing*?" We mean that the pump is tapped with a small discharge hole below the frost line, which allows the water in stand to drop back to this point, preventing freezing. Platform of well must be tight; if not, in extreme cold territory the water will freeze in cylinder, or below this line, against which the pump is not warranted, and the manufacturer will not be responsible.

Pumps with 4 foot or longer Set Length are called Anti-Freezing.

### WHAT IS THE MATTER WITH YOUR PUMP?

#### You Will Find it Here

The first and most important is that there is water in the well. The simple fact that there *was* water in the well is no indication that there is water at the present time; therefore, before making complaint about your pump, assure yourself that there is water there to be pumped.

If a pump does not work properly there must be some cause.

If it loses its priming (the water runs down) the check valve is defective or some obstruction has gotten under it; it may be sand or gravel, or a little cutting broken from the pipe thread. Remedy. Remove the valve and scrape the lower side thoroughly with a knife, being careful to remove all grit.

If it throws water on down stroke of handle only (we refer to a double acting pump), there must be something under the lower check valve, or plunger leather is worn out.

If it throws water on upward stroke of handle only, there must be something lodged under valve in lower bucket or it may have become hardened and curled up.

If the pump discharges air bubbles with the water the suction pipe is not tightly screwed together or it may be split open.

If the handle jerks back when you pull it down, you either have the cylinder too far from the water or the supply is shut off in some manner; the suction pipe may be too small or if a drive well the screen may be closed up.

If the water escapes over the upper cylinder (if it is a Myers pump) expand plunger by turning on nut exposed at top of cylinder.





## INSTALLATION AND INFORMATION REGARDING MYERS WATER SYSTEMS

### GENERAL

All threaded joints or connections **must** be thoroughly leaded (use thick white lead or pipe dope) and screwed together **tight** (use not less than a 18" Wrench) as all air leaks must be eliminated. **This applies particularly to the Suction Pipe and all Pressure Tank Connections.**

Locate the Pump where suction line can be run most directly to water supply. Use 45° elbows where-ever possible.

**In figuring Vertical Suction Depth** on Shallow Well Pumps with long horizontal Suction Pipe, the loss by friction in water passing through this long Pipe must be deducted from the maximum vertical suction limit of the Pump as under ordinary conditions.

The practical limit of vertical suction lift with a horizontal cylinder is 25 feet at sea level. For each 1200 feet of altitude deduct 1 foot from practical suction lift. For example, if altitude is 2400 feet the practical limit of suction lift would be about 23 feet. Water may be drawn horizontally several hundred feet. However, on a suction line longer than 50 feet it is advisable to deduct 1 foot from the lift for each 25 feet beyond 50 feet. For example, on a 200 foot horizontal suction line 6 feet should be deducted from the vertical lift, making the vertical suction lift not to exceed 19 feet **or increase the size of the Suction Pipe to reduce the Friction. It is a good idea to use a larger suction pipe in any case where suction line is over 100 feet. This is real Economy.** Run the line with gradual slope downward toward the water supply. Avoid any high points in the Suction Line, as they will accumulate air. **The Pump Should Be Set Level** so that oil will not run out.

### INSTALLATION

**Shallow Well Water Systems,  
Nos. 901AT to 1909AT**

**Piping between Pump and Tank:** This assembly is already screwed together. Lead the Street Ell and screw this assembly into the Tank (tight) stopping with the Brass Cut-off Cock standing vertical. Now

break the Union and lead the Nipple and screw it into the Pump Discharge Opening, stopping with the Nipple for switch pointing upward, couple up the Union. Attach the Air Control Valve in the 1¼" Tap near center of Tank with Pressure Gauge and arrows pointing upward. **Be sure to lead the 1¼" Tap and the Air Control Stub thoroughly and screw in tight.** Attach one end of the small copper tube to the small Nipple on Air Control Valve, and the other end to the Schrader Snifter Valve in the side of the Pump—**use no lead** on these two connections, but be sure to screw both of these Nuts tight or you will get too much air in the Tank.

**Before Installing a New Pump on an Old Suction Line** make sure the line is not badly corroded or full of holes.

You are now ready to connect the Suction Pipe, all joints of which must be thoroughly leaded at **both ends of the couplings and screwed tight.** When drawing through any considerable length of horizontal pipe (50 ft. or more) use one size larger pipe than the Pump is tapped for, reducing at the Pump. This reduces friction and allows free flow of water to the Pump. The small extra cost of the larger Pipe will be paid for many times during the life of the Pump by current cost and wear on Pump and Motor. Place a good vertical Foot Valve (Fig. 2833) on end of Suction Pipe.

### STARTING THE PUMP

Do not start the Pump until you have filled the Crank Case up to the filler opening or line on Gear Case with **good quality** light Gas Engine or Automobile Oil.

Be sure that the Cut-Off Plug Valve near the Tank in discharge line from Pump to Tank is open. Turn on the current, allowing Pump to run a few minutes. If it does not start to pump water, remove the Plug in top of Vacuum Chamber and fill with water, then replace this Plug, screwing in tight.





## WATER SYSTEMS — Continued — NOS. 1927AM, 1928AM and 929AM

In connecting the Tank to the Pump, after leading all threads in pipe openings in Tank, Pump and on Brass Connecting Tube, screw the threaded end of the Brass Tube into the Tank, break the Union Coupling and screw the  $\frac{3}{4}$ " Nipple into the Discharge Opening of the Pump, stop with the  $\frac{3}{8}$ " Nipple standing upward for Switch, then connect the Union Coupling, screwing **tight, use no lead** on this

Coupling, as it has a ground joint. **After** connecting as above, you can then swing the Tank sideways if desired by bending the Brass Tube.

**FROST PROOFING.** Locate the pump in a frost proof place if it is to be used during the winter season. If not, be sure to drain the pump thoroughly before leaving it for the winter.

# INSTALLATION OF DEEP WELL POWER PUMPS AND WATER SYSTEMS

## OPEN TOP OR PULL PLUNGER TYPE WORKING BARREL

**Detach the Check Valve from the Plunger,** drop the Check Valve into the Working Barrel and force it down into its seat so that it is held tight. (An alternate and perhaps a better way is to follow the plan regarding the Check Valve as stated in last paragraph under Removing Plunger and Check Valves for Repairs). Connect the top of Working Barrel to one Section of pipe and lower into the well; add pipe until the Working Barrel has reached the desired depth. Before connecting the last piece of pipe remove the Discharge Pipe Head from the Gear Case and screw this Head onto the last piece of pipe; this is to prevent dropping the pipe into the Well, as there is no coupling on the upper end of this last length of Pipe; after which, attach the Pipe Head to the Main Frame of Pump by the two bolts. **Do not** draw bolts tight, just tight enough to hold the pipe head in position.

You are now ready for the Plunger and Rod. Connect the Plunger to one end of the Pump Rod and **screw it on tight,** lower into the Well Pipe and connect additional Rod until the Plunger reaches its proper place in the Working Barrel. Connect Piston Rod that you have removed from the Pump Head to the Rod already in the Well, drop the Plunger

Tube or Stuffing Box down over Piston Rod and Bolt it fast to Pipe Head, draw the Nuts down evenly or you will throw it out of alignment. Then clamp Piston Rod rigidly to Cross Head of Pump, **after which** loosen the nuts slightly that hold the Pipe Head to Pump body and **center the Plunger Tube** with the Piston Rod and Cross Head to which it is attached. When the above has been lined up accurately, **then tighten** the bolts that hold the Pipe Head to the Main Frame. **You will find a Red Line** across the Flanges. See to it that these lines **match on both Flanges.**

## REMOVING PLUNGER AND CHECK VALVE FOR REPAIRS

Detach the Pump Rod from the Pump and remove the Plunger Tube or Stuffing Box Flange, shove the Plunger down against the Check Valve, and by turning the Pump Rod to the right screw the Plunger onto the Check Valve and withdraw both Plunger and Check Valve.

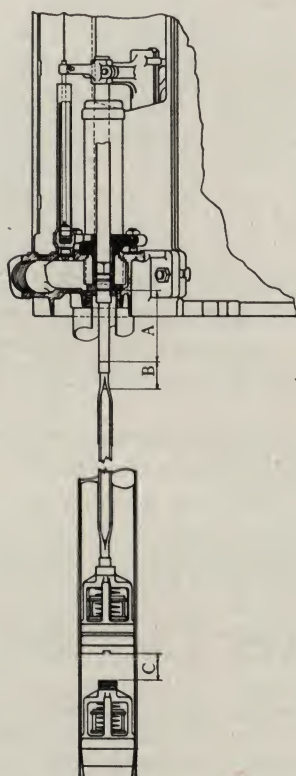
**If unable to turn the plunger** to screw fast to Check Valve so as to remove both at once, then remove the plunger first and place a sole leather washer (same diameter as plunger) with a hole in center, over the screw pin on pump rod for a guide and lower the pump rod and screw onto Check Valve to remove it.





## REMOVING PLUNGER AND CHECK VALVE FOR REPAIRS—Continued

In replacing these parts screw the Check Valve onto the Pump Rod by hand only (not tight) and lower into the well and jam down tight, after which unscrew and remove the Rod, then screw the Plunger onto Pump Rod tight, and see that it is tight, after which return Plunger to Working Barrel by adding the additional rod.



The procedure for cutting wood sucker rod to the proper length is as follows:—Before unbolting the discharge casting from the gear case of the Pump turn the Pump by hand to the extreme end of the downward stroke. Measure the distance "A" from the top of the pipe thread in the discharge casting to the top of the box and pin thread on the piston rod; then measure the distance "B" from the top of the thread on the piston rod to the top of the opening between the forks of the octagonal wood rod

coupling; then allow  $1\frac{1}{2}$ " for clearance "C" between the plunger and check valve of the working barrel. Add these three measurements together to get the length which should be cut off of the rod. With the sucker rod down as far as it will go, mark the rod at the top of the thread in the discharge casting, pull the rod up and mark off a distance equal to the sum of the three measurements "A," "B," and "C" and then cut off the rod and shape to fit the forks of the wood rod coupling. On all shipments from the factory which include wood rod the coupling is left off of one end of one joint of rod and the rod is cut slightly longer than the order calls for, but the coupling and rivets are sent with the shipment so that the rod may be cut to proper length and the coupling fitted on at time of installation.

On all open top Single Acting Working Barrel installations where the plunger and check valve may be removed through the drop pipe, the use of octagonal wood sucker rod is preferable because of its buoyancy in the water, and because it does not tend to crystallize and break at the couplings as does steel rod. Where steel rod or pipe is used for sucker rod on this type of installation the measurements "A" and "C" would be taken in the same way as for wood rod but measurement "B" would be about half of the length of the coupling on the upper end of the steel or pipe sucker rod.

Where the Fig. 2897 Double Acting Working Barrel is used, **Rectangular** wood rod, of the proper size to guide itself in the circle of the drop pipe to prevent buckling on the down stroke, is recommended. The rod must be guided on **Double Acting Working Barrel** installations, so that octagonal or round wood rod or ordinary steel rod cannot be used. Measurements for fitting the **rectangular wood sucker rod** would be made in same general way as already outlined.

After the installation of a deep well pump has been completed, and before applying the power, always turn the pump over by hand to make sure that the plunger clears properly at both ends of the stroke. Some mistake might have been made in taking measurements.





## PUMP SERVICE SUGGESTIONS

**If the Pump Knocks**—The valves may be sticking—the suction may be clogged—the water may be flowing from the supply into the pump causing “water hammer.” If the latter, increase size of Vacuum Chamber.

**Where Water Level is Higher than the Pump** place a shut off valve in the suction line so water may be shut off if necessary to work on pump. It may also be necessary to **partially close** this valve to make air valve function and to prevent water hammer. An extra vacuum chamber made of a piece of pipe is also an advantage.

**The Drive Well Point** may have provided enough water supply for a hand pump over a long period but may not supply enough for the increased demand made on it by a power pump. The screen may have become clogged and may not supply the water fast enough for a Power Pump.

**If Tank Becomes Waterlogged**, on a pressure tank installation, air is not being supplied by air valve on pump or air is escaping from tank through openings in upper part of tank. If the latter, charge the tank with air and test around various openings above water line with oil or soap suds.

**Water leaking out through air control** indicates that some foreign substance has lodged in air (tire) valve in side of Pump. Disconnect tubing

from air valve, remove core and clean or replace. Special valve core with **light** spring should be used—not a standard tire valve core.

**If Tank Becomes Air Bound (Too Much Air)**, this is no doubt caused by **loose couplings** on the Copper Tube between the Air Control Valve on the Tank and the Schrader Valve on the Pump. See that these Couplings are **tight**. Or it may be caused by the water level in Well falling below the lower end of Suction Pipe.

**If Pump Runs But No Water Comes**—Have you primed the Pump? Are the suction line, priming plug, drain plugs, valve caps, cylinder heads and packing nut air tight? Is end of suction pipe below water level? Is the vertical suction lift more than 25 feet? Is the end of suction pipe resting on bottom of well? Has the Pump, suction pipe or strainer become clogged with sediment?

**If Pump Fails to Deliver Full Capacity** after a long period of service, renew plunger leathers and rubber valves and make sure that suction line is clear and has not developed any air leaks.

**To Renew Plunger Leathers**, remove the plug cap in end of Cylinder, move the plunger as far towards this end of Cylinder as possible by turning Pump by hand—a Screw Driver or Socket Wrench enables you to remove the plunger as a complete unit.

## OPERATION OF AUTOMATIC AIR CONTROL

### SHALLOW WELLS

Air supply is automatically maintained by float inside of tank, which transmits movement to air intake valve through bronze bellows. There is no stuffing box or other passage between inside and outside of tank, except to pressure gauge.

If water gets too high, float opens air intake and air is sucked into the pump and forced into tank with the water.

### DEEP WELLS

The air compressor on the pump is connected permanently and delivers air into the tank each time the pump operates. As excess air accumulates in the tank it is vented automatically through the air control.

All deep well automatic air controls are set for operation on 20-40 pounds tank pressure. If tank

becomes air-bound or water-logged, air control needs adjustment. Loosen lock nut at bottom of air control body and loosen or tighten adjusting screw onto which lock nut is threaded. Adjustment should be made so that air will cease venting at about the minimum setting of the pressure switch. If pressure carried is higher than 20-40 pounds, the adjusting screw should be tightened; if lower it should be loosened.

By submerging bottom of air control body in cup of water and watching for air bubbles, proper adjustment can be made. An occasional bubble below the minimum switch setting will not allow enough air to escape to cause trouble.

In installing the air control in the side of tank (about five-eighths up from bottom) the threads should be well leaded and pulled up tight to prevent air leakage. The arrow on plate must point vertically upward.

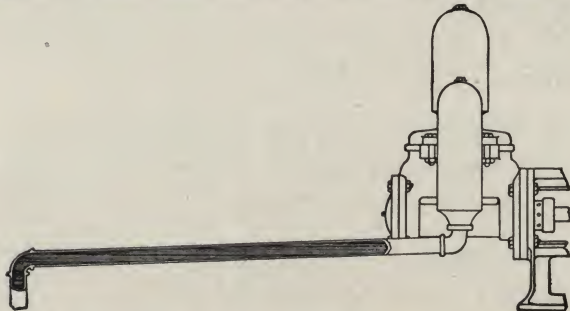




## SUCTION PIPING

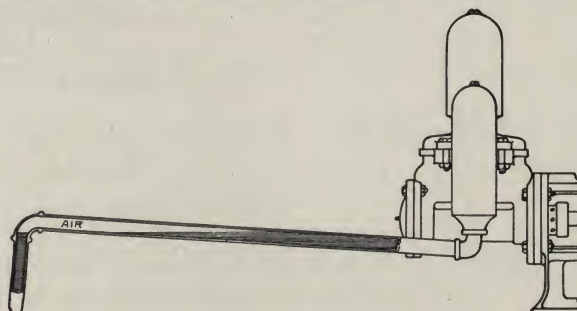
A very common cause for unsatisfactory operation of a shallow well pump is the improper installation of the suction piping. There is usually a small amount of air present in water and if any point in the suction piping is higher than the level of the pump this air

will separate from the water and pocket in the high point in the line, where it gradually collects until it reaches such volume that it merely compresses and expands with the strokes of the plunger. This of course breaks the flow of water.

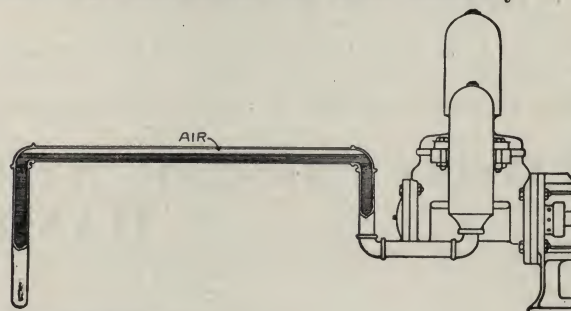


**Right**—The suction line should be laid in this manner with a gradual slope from the pump toward the water supply. Any air that might be present in the water will then move on through the pump. The slope of the pipe should not be less than one inch to each 15 feet.

**Wrong**—This type of installation occurs where the suction piping has been laid carelessly with no attention to the slope of the ditch. The air collects at the high point near the elbow where the pipe turns downward into the cistern or well, as indicated by the unshaded portion.



**Wrong**—In this installation the air collects along the top of the horizontal pipe as indicated by the unshaded portion. If positively necessary to pipe a pump in this manner place a Tee and Plug instead of the first high Elbow, this will enable you to remove the accumulated air when necessary.



## OVERHEAD IRRIGATION

The sale of pumps for supplying water for overhead irrigation systems is a market too often overlooked.

Nearly every community has at least one grower who raises truck crops for the local market.

An overhead irrigation system would make possible the saving of many truck crops, resulting in a profit for the grower instead of a loss.

Seven gallons per minute are required for every 100 feet of sprinkler line, or about sixty gallons per minute to the acre. An acre can be covered by 800 feet of sprinkler line. This may be laid out as four 200 foot lines or two 400 foot lines, or any arrangement that is convenient. Lines are usually spaced every 50 feet, since the nozzles will reach 25 feet to 28 feet on each side. Lines should of course be started 25 feet in from edge of field.

450 gal. per hour will supply 100 feet of sprinkler line at one time.

900 gal. per hour will supply 200 feet of sprinkler line at one time.

1700 gal. per hour will supply 400 feet of sprinkler line at one time.

2600 gal. per hour will supply 600 feet of sprinkler line at one time.

3500 gal. per hour will supply 800 feet (1 acre) of sprinkler line at one time.

7000 gal. per hour will supply 1600 feet (2 acres) of sprinkler line at one time.

Except for frost protection each of the above will serve an area twice to four times as large.

Pressures at the nozzles should be 30 pounds to 40 pounds for best results. This means carrying probably 50 pounds to 60 pounds at the pump. The pressure required at the pump will vary according to pipe friction, elevations and other factors in each installation.

A large plot of ground may be irrigated in sections with a comparatively small capacity pump. If the system is to be utilized for frost protection, then the capacity of the pump must be sufficient to supply the entire area that may be devoted to perishable crops.

Any of the following irrigation equipment manufacturers will be glad to supply literature and more detailed information and to lay out any contemplated installation without obligation. We believe they can usually furnish an engineer to make a personal investigation of the requirements. There may be other manufacturers in this same field with whom we are not familiar.

The Skinner Irrigation Company, Troy, Ohio.

March Automatic Irrigation Co., Muskegon, Mich.

White Showers, Inc., Detroit, Mich.

Write us for bulletin and further information.





## EXPORT DEPARTMENT

Factory and Home Office — Ashland, Ohio, U. S. A.

Export Shipping Office { The F. E. Myers & Bro. Co.,  
No. 21 West Street,  
New York, N. Y., U. S. A.

Cable Address FEMYERS—ASHLAND

Codes used: Bentleys—ABC 5th Edition Improved—Western Union 5  
Letter — Western Union Universal — Lieber's Standard  
and 5 Letter — Myers Private Catalog 5 Letter

Correspondence in English—Spanish—French—German—Portuguese—Italian  
Address all correspondence to the Home office at Ashland, Ohio, U. S. A.

The F. E. Myers & Bro. Co. was founded at Ashland, Ohio, U. S. A. in 1870 by Messrs. F. E. & P. A. Myers, under whose personal and efficient management the business developed and expanded until Myers Pumps, Hay Tools and Door Hangers are now recognized as standard the world over.

In 1890 the Company found it necessary to establish an export department because of the overseas trade having quickly appreciated the superior qualities and workmanship of the Myers Products.

Since then, Myers Pumps, Hay Tools and Door Hangers have been sold and distributed by leading merchants throughout the entire world.

All goods are shipped from the factory at Ashland, Ohio, U. S. A. We deliver free alongside vessel New York (except parcel post and express) and make no charge for packing and boxing for ocean transportation. The services of our New York Shipping Office are free to anyone desiring us to handle their shipments direct.

## EXPORT SHIPPING WEIGHTS AND MEASUREMENTS HAND PUMPS

Number Packed in Box	Description or Contents	Figure Number	Cubic Feet	Approximate Weight	
				Gross Pounds	Net Pounds
3	No. R1 Force Pump .....	1747	13	330	225
4	No. R4—R6½ Force Pump .....	1766	16	450	360
3	No. 20—R25 Force Pump .....	399	23	495	330
4	No. 45—48 Force Pump .....	2863	12	480	360
4	No. 70C—75C Force Pump .....	2299	17	500	375
4	No. R70—R75 Force Pump .....	2299	17	510	390
6	No. 94—R94½P Pump Stand .....	1478-1670	14	525	430
2	No. 95½ Well Stand .....	1552	9	293	197
6	No. 112—R117P Pump Stand .....	1749-1751	12	600	490
6	No. 124—130½ Lift Pump .....	792	16	525	390
6	No. 132—138½ Force Pump .....	827	16	530	395
3	No. 146—149 Lift Pump .....	1987	15	385	250
3	No. 159—162 Siphon Pump .....	695	12	350	246
3	No. 159—162 Siphon Pump—Power Attachment .....	798	14½	479	360
6	No. 180 Lift Pump .....	2725	21½	538	372
4	No. R206—R212 Force Pump .....	2020	22½	450	296
3	No. R213—R215½ Force Pump .....	2302	21	469	285
6	No. 220 or R220 Pitcher Pump .....	788-1665	5	210	125
6	No. R245—R248½ House Lift Pump .....	1746	5	243	174
5	No. RS245 or RS246½ House Lift Pump .....	1897	12½	355	250
6	No. R249CS House Force Pump .....	1900	5	286	192
6	No. RS251 or RS251½ House Force Pump .....	1745	15	450	306
6	No. R251—R253CS House Force Pump .....	1663	5½	290	210
6	No. 252CS House Force Pump .....	927	6½	315	204
5	No. 267E Tank Pump .....	2614	9	448	365





## HAND PUMPS—CONTINUED

Number Packed in Box	Description or Contents	Figure Number	Cubic Feet	Approximate Weight	
				Gross Pounds	Net Pounds
5	No. 268 or 268½ Tank Pump.....	513	10	512	425
6	No. R288 or R288A Force Pump.....	1908-1906	5½	377	330
6	No. R289 Force Pump.....	1908	9	530	468
6	No. R414 or R414CS Force Pump.....	2443	4	202	126
6	No. R416 or 416 Pitcher Pump.....	1675-1676	5	211	126
4	No. R417 or 417 Pitcher Pump.....	1675-1676	4	150	92
6	No. R418 or 418 Pitcher Pump.....	1675-1676	5½	235	150
6	No. R453 or R453½ Oil Pump.....	2462-1972	6	240	174
6	No. R469 or R469½ Oil Tank Pump.....	1905	9	475	370
1	No. 476 Force Pump.....	1857	3½	160	125
1	No. 477 Force Pump.....	1857	4	195	155
1	No. 478 Force Pump.....	1857	7	295	235
6	No. R479 or R479½ Tank Pump.....	1875	8	505	450
1	No. 486 Force Pump.....	1858	3½	190	150
1	No. 487 Force Pump.....	1858	4	225	180
1	No. 488 Force Pump.....	1858	5	313	258
6	No. 506 Pump Stand.....	2249	14	403	300
6	No. 507 Pump Stand.....	2250	14	438	336
6	No. R510 or R510½ Pump Stand.....	2027-2247	14	465	350
3	No. 512 or R512 Pump Stand.....	2244	10	265	180
6	No. 514 or 514½ Pump Stand.....	2246	14½	473	354
6	No. 517—R517½ Pump Stand.....	2244	17	505	414
6	No. 519 or R519 Pump Stand.....	2248-2676	12½	380	282
6	No. 520—520½P Pump Stand.....	2208	18	550	432
6	No. 523—523½P Pump Stand (2 boxes).....	2236	24	791	570
3	No. 530—531P Force Pump.....	2210	13½	362	255
6	No. 535 Pump Stand.....	2723	10	313	210
6	No. 536 Pump Stand.....	2724	12½	353	258
6	No. R1050—R1059 Lift Pump.....	1830	16	525	390
6	No. R1070—R1079 Force Pump.....	1898	16	535	415

## POWER PUMPS

Number Packed in Box	Description or Contents	Figure Number	Cubic Feet	Approximate Weight	
				Gross Pounds	Net Pounds
1	No. 357 Deep Well Pump.....	1595	10	322	228
3	No. 366 Pump Jack (2 boxes).....	2041	12½	328	216
1	No. 388 Deep Well Pump.....	2923	8	225	165
1	No. 399 Deep Well Pump (2 boxes).....	2125	15½	360	201
3	No. 400 Jack or Countershaft.....	1668	6	209	135
1	No. 405 Pumping Power (2 boxes).....	1767	17½	592	436
2	No. 422 or 422½ Pump Jack (2 boxes).....	2029	10	338	200
2	No. 422M or 422½M Pump Jack (3 boxes).....	2033	10½	360	238
3	No. 425 Pump Jack.....	1635	13	385	300
3	No. 426 Pump Jack (2 boxes).....	2001	14½	460	336
3	No. 428 Pump Jack (3 boxes).....	2004	17½	527	348
2	No. 430½ Pump Jack.....	2039	6½	238	152
2	No. 431 Pump Jack (3 boxes).....	2067	18	793	606
1	No. 433 Deep Well Pump.....	2924	8	210	148
3	No. 438 or 438½ Pump Jack.....	3106	12	462	360
3	No. 438M or 438½M Pump Jack (2 boxes).....	3107	12	491	366
1	No. 441M or 441½M Pump Jack (2 boxes).....	3236	6½	244	158
1	No. 442 or 442½ Power Pump.....	3110	15½	297	212
1	No. 442M or 442½M Power Pump.....	3111	15½	301	215





# POWER PUMPS—CONTINUED

Number Packed in Box	Description or Contents	Figure Number	Cubic Feet	Approximate Weight	
				Gross Pounds	Net Pounds
1	No. 444E or 444½E Pump Jack (¾ H.P. engine).....	3113	16½	345	245
1	No. 456 Pitman Power Force Pump.....	1272	2½	96	68
1	No. 491 Working Head.....	2113	17½	408	300
1	No. 492 Working Head.....	2113	27	510	375
1	No. 525 Deep Well Pump.....	2209	8	225	146
1	No. 618 Power Pump (2 boxes).....	2109	58	2836	2360
1	No. 618M Power Pump (2 boxes).....	2109	60	2929	2462
1	No. 635 Power Pump (2 boxes).....	2432	51	2343	1930
1	No. 635M Power Pump (2 boxes).....	2432	50½	2460	2025
1	No. 664 or 664A Deep Well Pump (2 boxes).....	2708	34½	1630	1332
1	No. 664AM or 664M Deep Well Pump (2 boxes).....	2745	35½	1765	1455
1	No. 671 Deep Well Pump (2 boxes).....	2708	54½	2415	2039
1	No. 671M Deep Well Pump (3 boxes).....	2745	61	2605	2161
1	No. 901 or 901A Electric Pump.....	3016	4½	197	149
1	No. 901AT Water System.....	3129	13	319	268
1	No. 902 or 902A Electric Pump.....	3016	4½	219	158
1	No. 902AT Water System.....	3129	13½	333	288
1	No. 910 or 910A Power Pump.....	2436	6	237	166
1	No. 910AM or 910M Power Pump.....	2436	6	250	183
1	No. 912 or 912A Power Pump.....	2426	5½	228	160
1	No. 912AM or 912M Power Pump.....	2425	5½	237	160
1	No. V912AE or V912E Power Pump.....	2872	12½	370	265
1	No. V912AM or V912M Power Pump (½ H.P. motor) ..	2633	8	322	217
1	No. V912AMT Water System.....	3147	17	425	330
1	No. 913 or 913A Power Pump.....	2426	8½	363	270
1	No. 913AM or 913M Power Pump (2 boxes).....	2425	10½	402	302
1	No. V913AE or V913E Power Pump.....	2872	12½	374	243
1	No. V913AM or V913M Power Pump (1 H.P. motor)...	2633	13	500	365
1	No. V913AMT Water System.....	3147	21½	605	483
1	No. 914 or 914A Power Pump.....	2426	17	690	510
1	No. 914AM or V914M Power Pump (2 boxes) .....	2425	17	702	530
1	No. V914AE Power Pump (2 H.P. engine) (3 boxes)....	2872	22½	878	638
1	No. V914AM or V914M Power Pump (2 H.P. motor) ...	2633	18	870	670
1	No. 915 or 915A Power Pump.....	2426	19	722	560
1	No. 915AM or 915M Power Pump (2 boxes).....	2425	21½	791	585
1	No. V915AM or V915M Power Pump (3 H.P. motor)...	2633	21	1031	797
1	No. 916 or 916A Power Pump.....	2426	25½	1100	850
1	No. 916AM or 916M Power Pump (2 boxes).....	2425	28½	1168	906
1	No. V916AM or V916M Power Pump (5 H.P. motor)...	2633	32½	1556	1194
1	No. V923AM Water System (2 boxes).....	2740	12	397	264
1	No. 929AMT Water System (2 boxes).....	3013	8	272	189
1	No. 931 Power Pump.....	2432	5	210	140
1	No. V931AM or V931M Power Pump (½ H.P. motor) ..	2871	8	283	190
1	No. 932 Power Pump.....	2432	7½	338	245
1	No. 932M Power Pump (2 boxes).....	2432	9	373	267
1	No. 933 Power Pump.....	2432	13½	605	465
1	No. 933M Power Pump (2 boxes).....	2432	15½	654	476
1	No. V933M Power Pump (3 boxes).....	2871	19	956	741
1	No. 934 Power Pump.....	2432	24	975	750
1	No. 950, 950A, 951, 951A, Deep Well Pump.....	2455	6	235	175
1	No. 950AM, 950M, 951AM, 951M, Deep Well Pump....	2456	5	250	185
1	No. 952 or 952A Deep Well Pump.....	2485	6½	244	180
1	No. 952AM or 952M Deep Well Pump.....	2486	7	250	185
1	No. 958, 958A or 959 Deep Well Pump.....	2532	14	536	425
1	No. 958AM, 958M or 959M Deep Well Pump.....	2533	14	550	435
1	No. 960 or 960A Deep Well Pump (2 boxes).....	2534	20½	837	670
1	No. 960AM or 960M Deep Well Pump (2 boxes).....	2535	21½	937	695





## POWER PUMPS—CONTINUED

Number Packed in Box	Description or Contents	Figure Number	Cubic Feet	Approximate Weight	
				Gross Pounds	Net Pounds
1	No. 962 Deep Well Pump (2 boxes) .....	2534	22	850	710
1	No. 1906 or 1906A Electric Pump .....	3226	3½	128	87
1	No. 1906AT Water System .....	3208	12	233	190
1	No. 1909 or 1909A Electric Pump .....	3226	3½	134	93
1	No. 1909AEL Water System .....	3114	5½	140	91
1	No. 1909AT Water System .....	3208	12	241	198
1	No. 1925AM Water System .....	3228	4	150	103
1	No. 1926AM Water System .....	3228	4	143	100
1	No. 1927AMT Water System (2 boxes) .....	3227	7	193	129
1	No. 1928AMT Water System (2 boxes) .....	3227	7	207	142
1	No. V1950AM or V1950M Deep Well Pump .....	3224	5	242	185
1	No. V1958AM or V1958M Deep Well Pump .....	2628	13	564	440
1	No. V1959AM or V1959M Deep Well Pump .....	2628	13	586	445
1	No. V1960AM or V1960M Deep Well Pump (2 boxes) ..	2639	20½	880	690
1	No. V2950AET Power Pump—1 H.P. engine (2 boxes) ..	3048	9	370	280
1	No. V2950AE or V2950E Power Pump (1 H.P. engine) ..	2636	9	360	260
1	No. V2950AM or V2950M Power Pump .....	3224	7½	313	235
1	No. V2950AMT or V2951AMT Water System .....	3209	17	428	356
1	No. V2956AM Water System—¾ H.P. motor (2 boxes) ..		12½	419	299
1	No. V2958AE or V2958E Power Pump (2 H.P. engine) ..	2636	19½	712	538
1	No. V2958AM or V2958M Power Pump (2 boxes) .....	2628	16	680	505
1	No. V2958AMT Water System .....	3156	30	874	720
1	No. V2960AE or V2960E Power Pump (3 boxes) .....	2636	26½	1101	863
1	No. V2960AM or V2960M Power Pump (2 boxes) .....	2639	20½	947	755
3	No. 4000¾ Centrifugal Pump .....	2800	2½	164	120
1	No. 4000¾ Centrifugal Pump (½ H.P. motor) .....	2799	4	160	115
1	No. 4000¾EP Centrifugal Pump (½ H.P. engine) .....	2876	7½	140	78
3	No. 4001 Centrifugal Pump .....	2800	3	180	135
1	No. 4001 Centrifugal Pump (¾ H.P. motor) .....	2799	4½	184	140
3	No. 4001½ Centrifugal Pump .....	2800	5	255	204
1	No. 4001½ Centrifugal Pump (1½ H.P. motor) .....	2799	6	280	223
1	No. 4001½EP Centrifugal Pump (1 H.P. engine) .....	2876	9	253	168
2	No. 4002 Centrifugal Pump .....	2801	4½	210	170
1	No. 4002 Centrifugal Pump (2 H.P. motor) .....	2799	6½	335	260
2	No. 4011½ Centrifugal Pump .....	2800	7	348	270
1	No. 4011½ Centrifugal Pump (5 H.P. motor) .....	2799	10	497	415
1	No. 4012 Centrifugal Pump .....	2801	4½	208	155
1	No. 4012 Centrifugal Pump (5 H.P. motor) .....	2799	8	527	434
1	No. 4013 Centrifugal Pump .....	2801	6½	259	205
1	No. 4013 Centrifugal Pump (10 H.P. motor) .....	2799	18	885	688
1	No. 4023 Centrifugal Pump .....	2801	8½	355	285
2	No. 4100¾ Centrifugal Pump (¼ H.P. motor) .....	2879	3	173	140
1	No. 4101 Centrifugal Pump (¾ H.P. motor) .....	2880	2	134	110
1	No. 4200¾ Centrifugal Pump (2 H.P. motor) .....	2880	3	193	163
1	No. 4201 Centrifugal Pump (3 H.P. motor) .....	2880	3½	222	182
3	No. 5000¾ Centrifugal Pump .....	2919	2½	153	120
3	No. 5001 Centrifugal Pump .....	2919	3	176	126
3	No. 5001½ Centrifugal Pump .....	2919	5	252	204
2	No. 5002 Centrifugal Pump .....	2919	3½	172	136
1	No. E-50D1B1Y Ejecto Pump .....	3140	11	221	197
1	No. E-75D1B1Y Ejecto Pump .....	3140	17½	340	310
1	No. E-150D1C1Z Ejecto Pump .....	3136	19½	381	335
1	No. E-200D1A1Y Ejecto Pump .....	3140	26½	482	426
1	No. E-200D1B1X-3 Ejecto Pump .....	3179	27½	475	415





## HAND SPRAY PUMPS

Number Packed in Box	Description or Contents	Figure Number	Cubic Feet	Approximate Weight	
				Gross Pounds	Net Pounds
12	No. 50 Brass Force Pump.....	3043	5 $\frac{1}{2}$	130	72
1	No. R299B Barrel Spray Pump.....	1570	23 $\frac{1}{2}$	280	160
6	No. 304 or R304 Spray Pump.....	1493	5 $\frac{1}{2}$	240	185
6	No. R308 Spray Pump.....	1540	13	560	390
1	No. R308C Spray Pump mounted on barrel.....	1541	18 $\frac{1}{2}$	212	138
3	No. 309 or R309 Spray Pump.....	1413	5 $\frac{1}{2}$	300	260
1	No. R316B Spray Pump.....	1518	24	351	212
6	No. R318B Spray Pump.....	1521	8 $\frac{1}{2}$	285	228
24	No. 323 Spray Pump.....	1630	10	212	108
24	No. R324 Spray Pump.....	1726	15	313	180
24	No. 325 Spray Pump.....	640	10	240	135
24	No. 327 $\frac{1}{2}$ Spray Pump.....	639	9	226	132
4	No. R329 Sprayer.....	1736	12	175	85
3	No. R336 $\frac{1}{2}$ B Portable Sprayer.....	2790	17 $\frac{1}{2}$	351	231
3	No. R338 $\frac{1}{2}$ B Portable Sprayer.....	2791	17 $\frac{1}{2}$	269	144
2	No. R339 $\frac{1}{2}$ B Portable Sprayer.....	2796	17 $\frac{1}{2}$	352	232
6	No. 397 Fire Pump.....	2746	8 $\frac{1}{2}$	150	72
12	No. 1330A or 1331A Knapsack Spray Pump.....	3100	24	347	190
12	No. 1336 Fire Pump.....	2931	24	350	200
12	No. 2240 or 2240B Compressed Air Sprayer.....	2883	13	222	123
12	No. 2242 or 2242B Compressed Air Sprayer.....	2884	16	272	150

## POWER SPRAY PUMPS AND SPRAYERS

Number Packed in Box	Description or Contents	Figure Number	Cubic Feet	Approximate Weight	
				Gross Pounds	Net Pounds
1	No. 99X Spray Unit.....	2582	19	725	590
1	No. 696 or 697 Power Spray Pump.....	2777	5 $\frac{1}{2}$	247	185
1	No. 700X Power Spray Pump.....	3164	8 $\frac{1}{2}$	377	300
1	No. 701X Power Spray Pump.....	3164	9	395	325
1	No. A715-4S1 $\frac{1}{2}$ Sprayer with tank filler (2 crates).....	2773	129 $\frac{1}{2}$	2143	1701
1	No. A720-4S2 Sprayer with tank filler (3 crates).....	3262	150	2550	1979
1	No. A724-5S2 Sprayer (4 crates).....	3262	208	2946	2430
1	No. A726-4O2 Sprayer (crated).....	2572	121	1575	1160
1	No. A731-5S3 Sprayer with tank filler (crated).....	3262	282	3647	2795
1	No. 739-3O1 Sprayer with tank filler (crated).....	3262	77	1195	900
1	No. 740X Power Spray Pump.....	3165	9 $\frac{1}{2}$	615	520
1	No. 742X Power Spray Pump.....	2694	9 $\frac{1}{2}$	500	405
1	No. 754-3S1 Sprayer with tank filler (3 crates).....	2832	94 $\frac{1}{2}$	1711	1365
1	No. 754-3S1 $\frac{1}{2}$ Sprayer (2 crates).....	2832	166	1815	1370
1	No. 780 Power Washer.....	2471	9	395	300
1	No. 780M Power Washer.....	2471	10	455	315
1	No. 781M Power Washer (2 H.P. Motor).....	2471	15	597	458
1	No. 786-2S1 Sprayer (3 crates).....	2895	78	1341	990
1	No. 787R Sprayer.....	2948	36	549	427
1	No. 789-3EGH1 Sprayer with tank filler (crated).....	3078	73	987	695
1	No. 799 Power Spray Pump.....	3037	3	127	92
1	No. 799M Power Spray Pump.....	3037	4 $\frac{1}{2}$	221	175
1	No. 800 Greenhouse Sprayer.....	2793	35	570	350
1	No. 801 Greenhouse Sprayer (crated).....	2793	37 $\frac{1}{2}$	530	363
1	No. 803 Greenhouse Sprayer.....	2894	23 $\frac{1}{2}$	428	278
1	No. 804 Greenhouse Sprayer.....	2947	25 $\frac{1}{2}$	502	325
1	No. 806-MGHS or No. 806-EGHR Greenhouse Sprayer..	3237	17 $\frac{1}{2}$	255	130





## POWER SPRAY PUMPS AND SPRAYERS—CONTINUED

Number Packed in Box	Description or Contents	Number Figure	Cubic Feet	Approximate Weight	
				Gross Pounds	Net Pounds
1	No. 808 Power Spray Pump.....	3038	5½	167	125
1	No. 808M Power Spray Pump.....	3038	6½	240	192
1	No. 1066R Berry Sprayer (2 boxes).....	2926	45½	851	513
1	No. 1068-FS½-40 Traction Sprayer (2 crates).....	2989	116½	941	579
1	No. 1077-3FS1 Traction Sprayer (3 crates).....	3019	112½	1875	1332
1	No. 1078½F Traction Sprayer (crated).....	2985	30	262	211
1	No. 1079-3FS1 Sprayer (3 crates).....	3018	112	1874	1322
1	No. 1755M Power Washer.....	2599	16	575	410
1	No. 1756M or No. 1757M Power Washer.....	2599	17	736	615
1	No. 1761M, No. 1762M or No. 1763M Power Washer ...	2599	17½	740	600
1	No. 1765M Power Washer.....	2599	19	810	670
1	No. 3912 Power Spray Pump.....	2694	10	501	400
1	No. 3912-4S2 Sprayer with tank filler (3 crates).....	3090	165	2557	1903
1	No. 3912-5R2 Sprayer with tank filler (3 crates).....	3091	160	2557	1849
1	No. 3915 Power Spray Pump.....	3165	11	610	500
1	No. 3915-5R2 Sprayer (3 crates).....	3089	158	2594	1903
1	No. 3915-5TR3 Sprayer (2 crates).....	3092	164	2431	1810
1	No. 3915-5TS3 with tank filler (3 crates).....	3092	168	2477	1870
1	No. 3915-6R3 Sprayer (4 crates).....	3087	223	3399	2678
1	No. 3915-6TR3 Sprayer (2 crates).....	3092	164	2439	1810
1	No. 3920-4R3 Sprayer (4 crates).....	3087	214	3167	2438
1	No. 3920-5S3 Sprayer with tank filler (4 crates).....	3086	223	3598	2838
1	No. 4025 Power Spray Pump.....	3094	10½	625	538

## HAY TOOLS

Number Packed in Box	Description or Contents	Figure Number	Cubic Feet	Approximate Weight	
				Gross Pounds	Net Pounds
5	No. 46 Sling Unloader.....	2129	14	480	390
3	No. 47 Sling Unloader.....	2102	8½	270	195
6	No. 171 Unloader for Cable Track.....	1298	9	330	235
6	No. 201 O. K. Unloader.....	2742	7	230	180
10	No. 205 O. K. Unloader.....	1547	12½	395	300
6	No. 208 O. K. Unloader.....	2743	9	315	212
5	No. 212 O. K. Unloader.....	1672	9½	270	190
5	Alfalfa Fork.....	450	7	210	150
15	Harris Double Harpoon Fork.....	451	11½	339	270
6	Double Harpoon Fork.....	1314	5	158	120
6	Perfection Double Grapple Fork.....	3004	17	346	240
6	Perfection Triple Grapple Fork.....	3005	17	395	300
10	3½ Foot Jackson Fork.....	2128	24	627	500
12	4 Foot Adjustable Sling.....	620	21	375	235
12	Double Lock Adjustable 6 Foot Sling.....	1308	27	510	385
204	Feet Double Steel Track (crated).....	824	7	460	410

## DOOR HANGERS

24	Pairs No. 1 O. K. Door Hanger.....	998	4	181	132
24	Pairs No. 2 Sure Grip Door Hanger.....	989	4	179	132
24	Pairs No. 12 New Way Giant Door Hanger.....	2156	5½	212	156
12	Sets No. 26 Garage Door Hanger.....	2059	2½	131	99
12	No. 27 Garage Door Hanger.....	2058	1½	56	32
288	Feet O. K. Steel Track.....	860	7½	360	288
144	Feet No. 17 Tubular Track.....	2159	6	330	260





# CODE FOR CORRESPONDENCE, TELEGRAMS AND TELEPHONE

## Cable Address—Femyers

ZEBRA	Pump with Windmill Head.	ZION	Pump with Three-Way Cock and Windmill Head.
ZERO	Pump with Three-Way Cock.	ZENA	Pump with Brass Covered Rod.

## Letters, Telegrams and Telephone

ABABY	Answer by mail.	ABBNY	Telegraph immediately.
ABADU	Answer by air mail.	ABBOV	Telegraph reply as soon as possible.
ABAGO	Answer by telephone.	ABBUK	We have no telegram from you.
ABAIK	Referring to our letter of	ABBVI	Why do you not telegraph?
ABALE	Referring to our telephone of	ABBZA	We write you fully today.
ABAOX	Referring to your letter of	ABCAY	We have no letter from you.
ABASP	Referring to your telephone of	ABCKE	Will write you fully in a day or two.
ABAUJ	Referring to our telegram of	ABCOV	Write, giving full particulars.
ABAYD	Referring to your telegram of	ABCUJ	Answer by telegraph.
ABBER	Telegraph by night message.		

## Questions from Dealers—Prices and Orders

ABDAX	Wire prices on.....Terms cash.
ABDEP	Wire prices on.....Regular terms.
ABDRO	Wire prices on.....and name best terms.
ABEBU	Are you in a position to sell us (or me) your goods? If so, quote prices and terms on.....by wire.
ABEJE	Are you in a position to sell us (or me) your goods? If so, quote prices and terms on.....by mail.
ABELA	Send contract and quotations by mail on full line.
ABEMY	Our orders have been placed for all goods excepting ..... If you wish to sell those quote best prices and terms.
ABERN	Send traveler at once. Want to contract for .....
ABFAV	When will your traveler be here?
ABFEN	Ship our goods at once, if you can. If not, how soon can you?
ABFIF	Needing goods badly; why don't you ship? Give particulars by mail.
ABFOS	Are needing goods badly. If you can't ship now, how soon can you ship?
ABFUG	Ship immediately by quickest freight route.
ABGEM	Ship by first express .....
ABGLY	Ship to us from nearest distributing point or transfer .....
ABGOR	What goods can you ship at once and when can the remainder be shipped?
ABHAT	Hold our goods for additional specifications. Will mail at once.
ABHEL	Add to our order .....
ABHID	Ship goods via .....
ABIAS	Who is your transfer agent at .....
ABICO	Who is your transfer company at ..... Have you any ..... in stock there?
ABIJA	Instruct your transfer agent at ..... to fill our orders for .....
ABIKY	Who is your nearest transfer agent, and can we get ..... there?
ABIMU	Have you any ..... in stock at .....? If not, when will you?
ABISH	Have you any ..... in stock at .....? If not, what is the nearest distributing point at which you have them?
ABJAR	Where is the nearest place we can get your ..... quick?





ABJIB Wire your transfer agent at ..... to ship us .....  
 ABLAP You may enter our order for ....., if you can ship at once.  
 ABLOM You may enter our order for ..... if you can ship at least ..... by the  
 ..... and balance by the .....  
 ABMEG Must have ..... shipped by the ..... and the balance by the .....  
 ABMOL Ship what you can at once, and let balance follow as fast as you can.  
 BEBCA Can you supply us with ..... what price and delivery?  
 BEBDY Ship immediately by parcel post.  
 BEMEL Have you shipped our order number ..... and when?  
 BEMID Cable name of steamer and date of sailing of our order number .....  
 BEMPO How soon can you ship us .....?  
 BEMWA Ship us with other goods the following .....  
 BEMZU Ship immediately by registered or insured parcel post .....  
 BENAS Ship immediately by express to New York thence by mail steamer .....  
 BENCO Ship immediately by freight to New York thence by mail steamer .....

#### Answer to Dealers—Shipments

BEBEW Name quantity you will order, if price is satisfactory.  
 BEBLI We name you the following prices on .....  
 BEBOB We cannot quote you. Territory covered by others.  
 BEBUP We have quoted you by mail.  
 BECAD We will accept your orders if we can agree on prices and terms.  
 BECIN Will accept order at price or prices named, but terms must be .....  
 BECRU Cannot accept your order at price you name; best we can do is .....  
 BEDCY Our traveler will see you on ..... and quote.  
 BEDIM Please do not close until our traveler sees you; will be there on .....  
 BEDME Can ship ..... by the ..... and balance of the order by the .....  
 BEDUN Shall we ship what we have ready and let balance follow, which can go forward by  
 the .....  
 BEFBY Your order is not clear; better send it by mail and explain fully.  
 BEFDU Do you want Plain or Knot Passing Pulleys?  
 BEFGO Do you want Long or Short Hanging Hooks?  
 BEFIK Give us routing instructions for car ordered; instructions received are conflicting.  
 BEFLE Our R. R. will not accept car and route by your instructions. Can we ship it via  
 .....?  
 BEFUL Have entered your order and will ship on .....  
 BEGER Can ship all but the ..... at once, which will make car load. Shall we do so  
 and let balance follow by local freight, or will you send specifications to fill out  
 another car load?  
 BEGOW We shipped all your order excepting the ..... on the ..... Those will go  
 forward on the .....  
 BEGUK Can ship immediately on receipt of order.  
 BEHAY Can ship within ..... days after receipt of order.  
 BEHMA Have no ..... in stock at ..... but will have the ..... Shall we  
 order them shipped to you as soon as they arrive there?  
 BEJAW Have no ..... in stock at ..... Nearest stock to you is at .....  
 BEJIG Have no ..... in stock at ..... but we have them at .....  
 BEJOT Have advised our transfer agent at ..... to ship on receipt of orders from you.  
 BEKEN Will ship remainder of your order by .....  
 BEKIF Have ..... in stock at ..... Send your order direct to transfer agent  
 there.  
 BEKOS Have ..... in stock at ..... Will order shipped at once.  
 BEKUG Your order was shipped complete on the .....  
 BELDO Part of your order was shipped on the ..... balance will follow in .....  
 days.  
 BELEM Have you remitted past due account? Wire answer.  
 BELGI Credit limit reached. Discount present account before we can ship.  
 BELKA Will ship from factory .....  
 BELOR Have shipped from factory .....  
 BELUF Have shipped your order number ..... from New York ..... on steam-  
 ship .....  
 BEMAT Will ship from New York about ..... on steamship .....  
 BENFI Your car order is ..... lbs. short of minimum weight. Will you add or shall  
 we ship as car load.  
 BENJA Advise catalog number of Pump with which the Tank will be used.  
 BENKY Switch. Advise horsepower and ampere rating at highest voltage of motor.  
 BENOP Advise exact current on which motor will be operated.





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## ALL RAIL FREIGHT RATES

The following freight rates are approximately correct, but are not guaranteed by The F. E. Myers & Bro. Co. They are shown for the convenience of persons using this Catalog.  
August 15th, 1940

From Ashland, to following points	Power Pumps		Hand Pumps		Spray Pumps		Hay Carriers		Hay Rack Clamps		BD Hgr. & Track	
	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL
Albany, N. Y. ....	.50	1.05	.50	.87	.50	1.05	.50	.87	.43	.87	.43	.68
Atchison, Kans. ....	.83	1.56	.83	1.29	.83	1.56	.83	1.29	.69	1.01	.69	1.29
Atlanta, Ga. ....	.80	1.71	.80	1.40	.80	1.71	.80	1.40	.80	1.10	.80	1.40
Augusta, Ga. ....	.88	1.86	.88	1.53	.88	1.86	.88	1.53	.88	1.20	.88	1.53
Baltimore, Md. ....	.47	1.00	.47	.83	.47	1.00	.47	.83	.41	.83	.41	.65
Bangor, Me. ....	.66	1.41	.66	1.16	.66	1.41	.66	1.16	.58	1.16	.58	.91
Billings, Mont. ....	2.33	2.94	2.33	2.94	2.28	3.50	2.28	3.50	2.28	3.50	1.54	3.18
Birmingham, Ala. ....	.81	1.73	.81	1.43	.81	1.73	.81	1.43	.81	1.12	.81	1.43
Boston, Mass. ....	.56	1.20	.56	.99	.56	1.20	.56	.99	.49	.99	.49	.78
Buffalo, N. Y. ....	.36	.77	.36	.63	.36	.77	.36	.63	.32	.63	.26	.50
Burlington, Iowa. ....	.49	1.04	.49	.85	.49	1.04	.49	.85	.43	.85	.43	.67
Cedar Rapids, Ia. ....	.65	1.22	.65	1.01	.65	1.22	.65	1.01	.54	.79	.54	1.01
Charleston, S. C. ....	.87	1.85	.87	1.53	.87	1.85	.87	1.53	.87	1.20	.87	1.53
Charleston, W. Va. ....	.36	.77	.36	.63	.36	.77	.36	.63	.32	.63	.32	.50
Charlotte, N. C. ....	.73	1.53	.73	1.27	.73	1.53	.73	1.27	.73	.99	.73	1.27
Chattanooga, Tenn. ....	.72	1.52	.72	1.24	.72	1.52	.72	1.24	.72	.98	.72	1.24
Chicago, Ill. ....	.39	.83	.39	.69	.39	.83	.39	.69	.34	.69	.34	.54
Columbia, S. C. ....	.85	1.80	.85	1.49	.85	1.80	.85	1.49	.85	1.17	.85	1.49
Dallas, Texas ....	1.31	2.47	1.31	2.03	1.31	2.47	1.31	2.03	1.09	1.60	1.09	2.03
Denver, Colo. ....	1.43	2.71	1.43	2.22	1.43	2.71	1.43	2.22	1.19	1.75	1.19	2.22
Des Moines, Iowa ....	.76	1.44	.76	1.19	.76	1.44	.76	1.19	.64	.94	.64	1.19
Detroit, Mich. ....	.30	.63	.30	.52	.30	.63	.30	.52	.26	.52	.26	.41
El Paso, Texas ....	1.89	3.57	1.89	2.94	1.89	3.57	1.89	2.94	1.58	2.31	1.58	2.94
Fargo, N. Dak. ....	1.06	2.00	1.06	1.65	1.06	2.00	1.06	1.65	.88	1.30	.88	1.65
Fort Dodge, Ia. ....	.79	1.51	.79	1.24	.79	1.51	.79	1.24	.66	.98	.66	1.24
Grand Rapids, Mich. ....	.37	.78	.37	.64	.37	.78	.37	.64	.32	.64	.32	.51
Houston, Texas ....	1.40	2.64	1.40	2.18	1.40	2.64	1.40	2.18	1.17	1.71	1.17	2.18
Idaho Falls, Idaho ....	2.33	2.94	2.33	2.94	2.28	3.50	2.28	3.50	2.28	3.50	1.56	3.18
Indianapolis, Ind. ....	.35	.74	.35	.61	.35	.74	.35	.61	.30	.61	.30	.48
Jacksonville, Fla. ....	1.15	2.17	1.15	1.78	1.15	2.17	1.15	1.78	1.15	1.41	1.15	1.78
Kansas City, Mo. ....	.83	1.56	.83	1.29	.83	1.56	.83	1.29	.69	1.01	.69	1.29
Lewiston, Maine ....	.60	1.28	.60	1.05	.60	1.28	.60	1.05	.53	1.05	.53	.83
Little Rock, Ark. ....	1.00	1.90	1.00	1.56	1.00	1.90	1.00	1.56	.84	1.23	.84	1.56
Los Angeles, Cal. ....	2.33	2.94	2.33	2.94	2.28	3.50	2.28	3.50	2.28	3.50	1.54	3.18
Louisville, Ky. ....	.39	.83	.39	.69	.39	.83	.39	.69	.34	.69	.34	.54
Macon, Ga. ....	.87	1.84	.87	1.52	.87	1.84	.87	1.52	.87	1.19	.87	1.52
Memphis, Tenn. ....	.75	1.60	.75	1.31	.75	1.60	.75	1.31	.75	1.03	.75	1.31
Milwaukee, Wisc. ....	.44	.93	.44	.76	.44	.93	.44	.76	.38	.76	.38	.60
Mincola, N. Y. ....	.56	1.20	.56	.99	.56	1.20	.56	.99	.49	.99	.49	.77
Minneapolis, Minn. ....	.73	1.55	.73	1.28	.73	1.55	.73	1.28	.64	1.28	.64	1.00
Missoula, Mont. ....	2.33	2.94	2.33	2.94	2.28	3.50	2.28	3.50	2.28	3.50	1.54	3.18
Mobile, Ala. ....	.97	2.07	.97	1.71	.97	2.07	.97	1.71	.97	1.34	.97	1.71
Montgomery, Ala. ....	.87	1.84	.87	1.52	.87	1.84	.87	1.52	.87	1.19	.87	1.52
Nashville, Tenn. ....	.65	1.38	.65	1.13	.65	1.38	.65	1.13	.65	.89	.65	1.13
New Orleans, La. ....	1.03	2.21	1.03	1.82	1.03	2.21	1.03	1.82	1.03	1.43	1.03	1.82
New York, N. Y. ....	.53	1.13	.53	.93	.53	1.13	.53	.93	.47	.93	.47	.73
Oklahoma City, Okla. ....	1.19	2.24	1.19	1.85	1.19	2.24	1.19	1.85	.99	1.45	.99	1.85
Omaha, Nebr. ....	.87	1.65	.87	1.35	.87	1.65	.87	1.35	.73	1.07	.73	1.35
Paducah, Ky. ....	.50	1.05	.50	.87	.50	1.05	.50	.87	.43	.87	.43	.68
Philadelphia, Pa. ....	.49	1.05	.49	.86	.49	1.05	.49	.86	.43	.86	.43	.68
Phoenix, Ariz. ....	2.33	2.94	2.33	2.94	2.28	3.50	2.28	3.50	2.28	3.50	1.54	3.18
Portland, Me. ....	.60	1.28	.60	1.05	.60	1.28	.60	1.05	.53	1.05	.53	.83
Portland, Ore. ....	2.33	2.94	2.33	2.94	2.28	3.50	2.28	3.50	2.28	3.50	1.54	3.18
Richmond, Va. ....	.53	1.12	.53	.92	.53	1.12	.53	.92	.46	.92	.46	.73
St. Louis, Mo. ....	.48	1.01	.48	.83	.48	1.01	.48	.83	.42	.83	.42	.65
Salt Lake City, Utah ....	1.99	3.76	1.99	3.09	1.99	3.76	1.99	3.09	1.66	2.43	1.66	3.09
San Antonio, Tex. ....	1.53	2.88	1.53	2.37	1.53	2.88	1.53	2.37	1.27	1.86	1.27	2.37
San Francisco, Cal. ....	2.33	2.94	2.33	2.94	2.28	3.50	2.28	3.50	2.28	3.50	1.54	3.18
Seattle, Wash. ....	2.33	2.94	2.33	2.94	2.28	3.50	2.28	3.50	2.28	3.50	1.54	3.18
Shreveport, La. ....	1.19	2.24	1.19	1.85	1.19	2.24	1.19	1.85	.99	1.43	.99	1.85
Sioux City, Iowa ....	.89	1.68	.89	1.39	.89	1.68	.89	1.39	.75	1.09	.75	1.39
Sioux Falls, S. D. ....	.91	1.73	.91	1.43	.91	1.73	.91	1.43	.76	1.12	.76	1.43
Spokane, Wash. ....	2.33	2.94	2.33	2.94	2.28	3.50	2.28	3.50	2.28	3.50	1.54	3.18
Springfield, Mo. ....	.85	1.60	.85	1.32	.85	1.60	.85	1.32	.71	1.03	.71	1.32
Tampa, Fla. ....	1.17	2.49	1.17	2.05	1.17	2.49	1.17	2.05	1.17	1.61	1.17	2.05
Toronto, Ont., Canada ....	.47	.99	.47	.82	.47	.99	.47	.82	.47	.82	.47	.82
Tulsa, Okla. ....	1.10	2.07	.92	1.71	1.10	2.07	1.10	1.71	.92	1.34	.92	1.71
Vancouver, B. C. ....	2.33	2.94	2.33	2.94	2.28	3.50	2.28	3.50	2.28	3.50	1.54	3.18
Washington, D. C. ....	.47	1.00	.47	.83	.47	1.00	.47	.83	.41	.83	.41	.65
Wichita, Kans. ....	1.06	1.99	1.06	1.64	1.06	1.99	1.06	1.64	.88	1.29	.88	1.64
Winnipeg, Man. ....	1.48	2.78	1.48	2.28	1.36	2.78	1.36	2.28	1.28	1.74	1.28	2.28
Pacific Coast Pts. via Rail and Boat via Philadelphia, Pa. ....	1.54	2.70	1.54	2.51	1.54	2.70	1.26	2.45	1.26	2.45	1.40½	2.11





### MINIMUM CAR LOAD WEIGHTS

Agricultural Implements .....	24,000 Lbs.
Power Pumps .....	24,000 Lbs.
Spray Pumps .....	24,000 Lbs.
Hand Pumps .....	30,000 Lbs.
Hay Rack Clamps .....	36,000 Lbs.
Barn Door Hanger and Track .....	36,000 Lbs.
Agricultural Implements, Barn Door Hangers and Track .....	30,000 Lbs.

### OFFICIAL-WESTERN-SOUTHERN TERRITORY CLASSIFICATIONS

All articles will mix in carload lots (except Hand, Bucket, and Faultless spray pumps) by using the highest minimum weight and highest rate on any one article loaded in the car.

See Commodity mixed carload rate for Western and Southern Classifications.

### OFFICIAL TERRITORY COMMODITY

Agricultural Implements, Barn Door Hangers and Track, minimum 30,000 Lbs.....	40%	of 1st class
Agricultural Implements and Hay Rack Clamps, 24,000 Lbs.....	40%	of 1st class

### WESTERN TERRITORY COMMODITY

Mixed carloads in Arkansas, Kansas, Louisiana, Missouri, New Mexico, Oklahoma & Texas as follows:

Agricultural Implements, other than Hand, Pumping Jacks, Hand & Windmill Pumps, Spray Pumps (Except Hand Sprayers)..... Class A

Mixed carloads in Colorado, Iowa, Kansas, Minnesota, Missouri, Nebraska, North & South Dakota, Wisconsin, & Wyoming, as follows:

Agricultural Implements, other than Hand, Pumping Jacks, Hand & Windmill Pumps, Spray Pumps (Except Hand Sprayers) ..... 40% of 1st class

### SOUTHERN TERRITORY COMMODITY

Agricultural Implements, Pumping Jacks, Hand & Windmill Pumps, Spray Pumps (Except Hand Sprayers) .....	6th class
Hand, Windmill and Power Pumps.....	6th class
{ Agricultural Implements, Barn Door Hangers and Track, 30,000 Lbs. minimum.....	5th class
{ As Barn Equipment.	

### TRANSCONTINENTAL TERRITORY

All articles will mix in carload lots by using the highest minimum weight and highest rate of any one article in the car. See Rule 10 in Western Classification.

### TRANSCONTINENTAL COMMODITY

Agricultural Implements	}	24,000 Lbs., 34,000 Lbs., 44,000 Lbs.
*Household Pumping Plants		
Pumping Jacks		
Spray Pumps		
*Hay Rack Clamps		
*Must not exceed 33⅓% of total weight in the car.		

Barn Door Hangers & Track	}	24,000 Lbs.
Hay Carriers		
Hay Forks		
Hay Slings		
Hay Pulleys		
Hay Carrier Track		

Iron Hand & Windmill Pumps and Power Pumps	}	30,000 Lbs. & 40,000 Lbs.
--	---	---------------------------

### FROM ATLANTIC COAST PORTS TO PACIFIC COAST PORTS VIA BOAT

Agricultural Implements	24,000 Lbs.
Hand & Windmill Pumps	30,000 Lbs.
Power Pumps	} 24,000 Lbs.
Spray Pumps, hand or horse drawn	





## ELECTROTYPES FURNISHED FREE

We Will be Glad to Supply Electrotypes of Any Articles Shown in This Catalog, Can Be Furnished in Different Sizes for Catalog, Newspaper, Letterhead and Other ADVERTISING

If you wish to use your local newspaper to advertise the Myers Products which you are selling we will furnish mats or stereotypes of ads featuring any part of our line free of charge. All ads are complete and with the insertion of firm name and address in type are ready to use.

Fig. 1898



Fig. 2834



Fig. 639

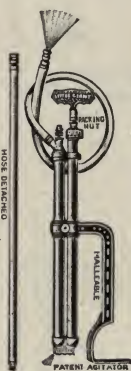


Fig. 3089

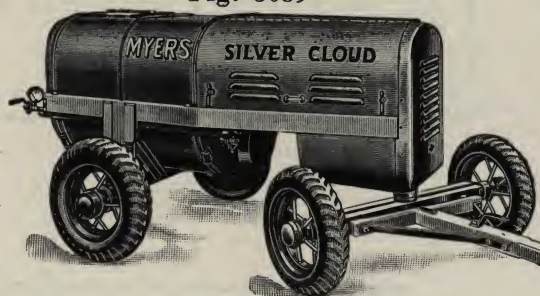


Fig. 1478

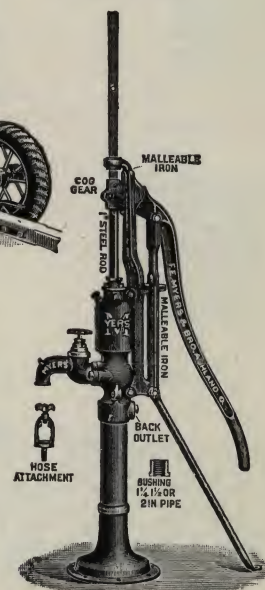


Fig. 620



Fig. 268



Fig. 3106



Fig. 3204



Fig. 1675

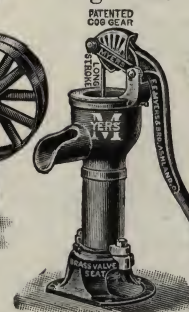


Fig. 998



Fig. 3208

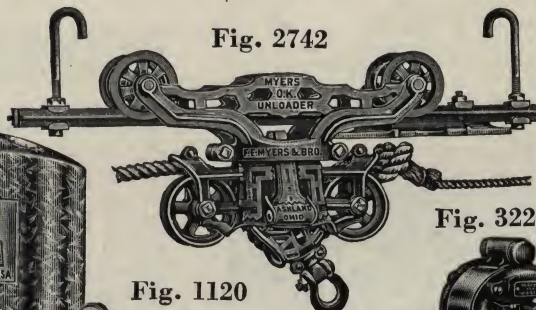


Fig. 2742

Fig. 3224

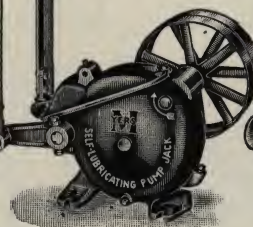


Fig. 1120



Fig. 1875

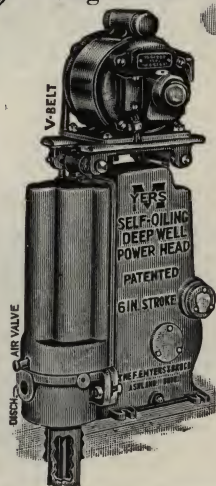
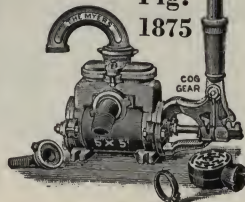
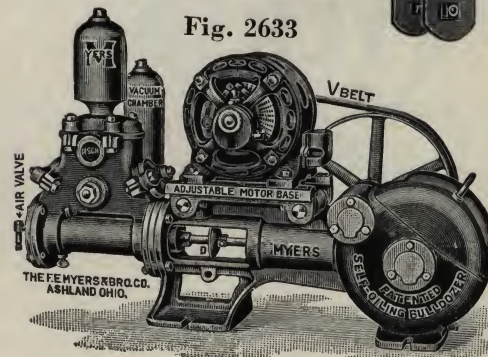


Fig. 2633



Myers Trade Mark Illustrations, are used for letterheads, envelopes, office and store forms, newspaper ads, hand bills and direct mailing pieces.

**Take Off Your Hat To The MYERS**  
PUMPS - WATER SYSTEMS - HAY TOOLS - DOOR HANGERS

Electrotypes, Stereotypes and Mats are available in almost any size. In making requests for them indicate sizes and for what purpose they are to be used.





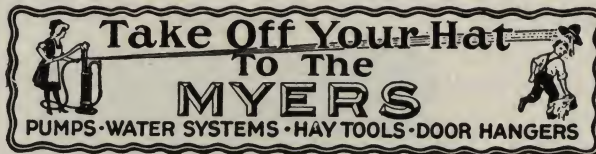
# ELECTROTYPES FURNISHED FREE

We Will be Glad to Supply Electrotypes of Any Article Shown in This Catalog. Can Be Furnished in Different Sizes for Catalog, Newspaper, Letterhead and Other ADVERTISING

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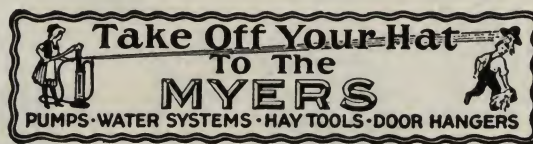
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No. 91B



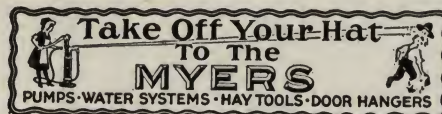
No. 231B



No. 100B



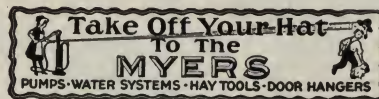
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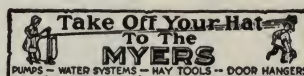
No. 93B



No. 229B



No. 228B



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Adds to  
The Joy  
of Living..



UNLESS a water system has both sound construction and adequate capacity, it cannot bring full measure of comfort and protection to the home. MYERS Water Systems truly add to the joy of living. Their absolute dependability is famous the world around. Ask TODAY for free booklet and complete estimate on your needs.

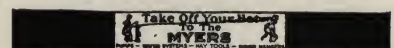
## Get Running Water Now

MYERS Water Systems meet every need. Deep and shallow well models; for operation by electricity, gasoline engine, windmill or hand power.



**MYERS**  
WATER SYSTEMS

Dealer's Imprint  
Space



No. Z-6

If you wish to use your local newspaper to advertise the Myers Products you are selling we will furnish mats or electrotypes of ads (see Ad Reproduction at right) featuring any part of our line free of charge. All ads are complete and with the insertion of firm name and address in type, for which liberal space has been provided, are ready to use. They are available in almost any size. Write for folder showing complete newspaper campaigns.





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